



Product show



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## HCA1 1KV 1KV HEAT SHRINKABLE CABLE ACCESSORIES



Heat shrinkable cable accessories for protection of indoor/outdoor cable terminals joint up to 1kv,widely used in electricity supply systems in oil refinery,metallurgy,railway, ports and other area where safety and reliability of electricity supply is vital for daily operation.

### Features and Benefits

- Segmented cable will effectively connected together or connected to the terminal appliance.
- Has good insulation properties.
- Easy to install,easy to distinguish between cable types.

### Shrink Physical Properties

- Operating Temperature:-55°C to 105°C
- Shrink Temperature: 120°C to 140°C

### Technical Details

Test Item	Test Method	Typical Value
Work frequency voltage withstand	4kv/1min	No breakdown and no flashover
Load cycling(3 times)	5hrs heating	2.4kv/4hrs
	3hrs heating	No breakdown and no flashover
Work frequency voltage withstand	2.4kv/4hrs	No breakdown and no flashover

### Product Selection

Product Code	Name	For Cable mm <sup>2</sup>	Product Code	Name	For Cable mm <sup>2</sup>
NRSY01-1/0	1-cores terminations	10-16	JRSY01-1/0	1-cores joints	10-16
NRSY01-1/1	1-cores terminations	25-50	JRSY01-1/1	1-cores joints	25-50
NRSY01-1/2	1-cores terminations	70-120	JRSY01-1/2	1-cores joints	70-120
NRSY01-1/3	1-cores terminations	150-240	JRSY01-1/3	1-cores joints	150-240
NRSY01-1/4	1-cores terminations	300-400	JRSY01-1/4	1-cores joints	300-400
NRSY01-2/0	2-cores terminations	10-16	JRSY01-2/0	2-cores joints	10-16
NRSY01-2/1	2-cores terminations	25-50	JRSY01-2/1	2-cores joints	25-50
NRSY01-2/2	2-cores terminations	70-120	JRSY01-2/2	2-cores joints	70-120
NRSY01-2/3	2-cores terminations	150-240	JRSY01-2/3	2-cores joints	150-240
NRSY01-2/4	2-cores terminations	300-400	JRSY01-2/4	2-cores joints	300-400
NRSY01-3/0	3-cores terminations	10-16	JRSY01-3/0	3-cores joints	10-16
NRSY01-3/1	3-cores terminations	25-50	JRSY01-3/1	3-cores joints	25-50
NRSY01-3/2	3-cores terminations	70-120	JRSY01-3/2	3-cores joints	70-120
NRSY01-3/3	3-cores terminations	150-240	JRSY01-3/3	3-cores joints	150-240
NRSY01-3/4	3-cores terminations	300-400	JRSY01-3/4	3-cores joints	300-400
NRSY01-4/0	4-cores terminations	10-16	JRSY01-4/0	4-cores joints	10-16
NRSY01-4/1	4-cores terminations	25-50	JRSY01-4/1	4-cores joints	25-50
NRSY01-4/2	4-cores terminations	70-120	JRSY01-4/2	4-cores joints	70-120
NRSY01-4/3	4-cores terminations	150-240	JRSY01-4/3	4-cores joints	150-240
NRSY01-4/4	4-cores terminations	300-400	JRSY01-4/4	4-cores joints	300-400
NRSY01-5/0	5-cores terminations	10-16	JRSY01-5/0	5-cores joints	10-16
NRSY01-5/1	5-cores terminations	25-50	JRSY01-5/1	5-cores joints	25-50
NRSY01-5/2	5-cores terminations	70-120	JRSY01-5/2	5-cores joints	70-120
NRSY01-5/3	5-cores terminations	150-240	JRSY01-5/3	5-cores joints	150-240
NRSY01-5/4	5-cores terminations	300-400	JRSY01-5/4	5-cores joints	300-400



## HCA10 10KV 6–24KV HEAT SHRINKABLE CABLE ACCESSORIES

Heat shrinkable cable accessories for protection of indoor/outdoor cable terminals joint up to 24kv, widely used in electricity supply systems in oil refinery, metallurgy, railway, ports and other area where safety and reliability of electricity supply is vital for daily operation.

### Features and Benefits

- Segmented cable will effectively connected together or connected to the terminal appliance.
- Has good insulation properties.
- Easy to install, easy to distinguish between cable types.

### Shrink Physical Properties

- Operating Temperature: -55°C to 105°C
- Shrink Temperature: 120°C to 140°C

### Technical Details

Test Item	Test Method	Typical Value
Work frequency dry voltage withstand	45kv/1min	No breakdown and no flashover
Work frequency wet voltage withstand	45kv/1min	No breakdown and no flashover
Work frequency long term voltage withstand	35kv/4hrs	No breakdown and no flashover
Impact voltage withstand	105kv/10times	No breakdown
D.C voltage withstand	52kv/15min	No breakdown and no flashover
Part discharge(kv,pc)	13, ≤20	13, 10

### Product Selection

Product Code	Name	For Cable mm <sup>2</sup>
NRSY10-3/1	3-cores indoor XLPE termination	25-50
NRSY10-3/2	3-cores indoor XLPE termination	70-120
NRSY10-3/3	3-cores indoor XLPE termination	150-240
NRSY10-3/4	3-cores indoor XLPE termination	300-400
WRSY10-3/1	3-cores outdoor XLPE termination	25-50
WRSY10-3/2	3-cores outdoor XLPE termination	70-120
WRSY10-3/3	3-cores outdoor XLPE termination	150-240
WRSY10-3/4	3-cores outdoor XLPE termination	300-400
JRSY10-3/1	3-cores outdoor XLPE joints	25-50
JRSY10-3/2	3-cores outdoor XLPE joints	70-120
JRSY10-3/3	3-cores outdoor XLPE joints	150-240
JRSY10-3/4	3-cores outdoor XLPE joints	300-400

Product Code	Name	For Cable mm <sup>2</sup>
NRSY10-1/1	1-cores indoor XLPE termination	25-50
NRSY10-1/2	1-cores indoor XLPE termination	70-120
NRSY10-1/3	1-cores indoor XLPE termination	150-240
NRSY10-1/4	1-cores indoor XLPE termination	300-400
WRSY10-1/1	1-cores outdoor XLPE termination	25-50
WRSY10-1/2	1-cores outdoor XLPE termination	70-120
WRSY10-1/3	1-cores outdoor XLPE termination	150-240
WRSY10-1/4	1-cores outdoor XLPE termination	300-400
JRSY10-1/1	1-cores outdoor XLPE joints	25-50
JRSY10-1/2	1-cores outdoor XLPE joints	70-120
JRSY10-1/3	1-cores outdoor XLPE joints	150-240
JRSY10-1/4	1-cores outdoor XLPE joints	300-400



## HCA35 35KV 36KV HEAT SHRINKABLE CABLE ACCESSORIES

Heat shrinkable cable accessories for protection of indoor/outdoor cable terminals joint up to 36kv, widely used in electricity supply systems in oil refinery, metallurgy, railway, ports and other area where safety and reliability of electricity supply is vital for daily operation.

### Features and Benefits

- Segmented cable will effectively connected together or connected to the terminal appliance.
- Good insulation properties.
- Easy to install, easy to distinguish between cable types.

### Shrink Physical Properties

- Operating Temperature: -55°C to 105°C
- Shrink Temperature: 120°C to 140°C

### Technical Details

Test Item	Test Method	Typical Value
Work frequency wet voltage withstand	35kv/1min	No breakdown and no flashover
Work frequency long term voltage withstand	65kv/4hrs	No breakdown and no flashover
Impact voltage withstand	250kv/10times	No breakdown
D.C voltage withstand	156kv/15min	No breakdown and no flashover
Part discharge(kv,pc)	39, ≤20	39, 4

### Product Selection

Product Code	Name	Product Code	Name	For Cable mm <sup>2</sup>
NRSY35-3/1	3-cores indoor termination	NRSY35-1/1	1-cores indoor termination	25-50
NRSY35-3/2	3-cores indoor termination	NRSY35-1/2	1-cores indoor termination	70-120
NRSY35-3/3	3-cores indoor termination	NRSY35-1/3	1-cores indoor termination	150-240
NRSY35-3/4	3-cores indoor termination	NRSY35-1/4	1-cores indoor termination	300-400
WRSY35-3/1	3-cores outdoor termination	WRSY35-1/1	1-cores outdoor termination	25-50
WRSY35-3/2	3-cores outdoor termination	WRSY35-1/2	1-cores outdoor termination	70-120
WRSY35-3/3	3-cores outdoor termination	WRSY35-1/3	1-cores outdoor termination	150-240
WRSY35-3/4	3-cores outdoor termination	WRSY35-1/4	1-cores outdoor termination	300-400
JRSY35-3/1	3-cores outdoor joints	JRSY35-1/1	1-cores outdoor joints	25-50
JRSY35-3/2	3-cores outdoor joints	JRSY35-1/2	1-cores outdoor joints	70-120
JRSY35-3/3	3-cores outdoor joints	JRSY35-1/3	1-cores outdoor joints	150-240
JRSY35-3/4	3-cores outdoor joints	JRSY35-1/4	1-cores outdoor joints	300-400



### Sealing Tape MMFJ

#### Application

The MMFJ is used for sealing cable joints and terminations.

#### Color Standard

Red

### Product Selection

Type	Thickness(mm)	Length (mm)	Width(mm)
MMFJ-1	2	30	360



## LCA1 1KV 1KV COLD SHRINKABLE CABLE ACCESSORIES

Cold shrinkable cable accessories are made of liquid silicone rubber vulcanization molding injection factory, then by extension, lined with plastic spiral support for the various cable attachment parts, onsite insulation, the set of pre-defined expansion is processed at the end of the cable or connector service, taking the internal support plastic support bar, pressing in the cable insulation of cable attachments on the form, Because it is at room temperature by elastic recoil force, rather than shrinkable cable accessory to use heat shrink, it is commonly known as cold shrinkable cable accessories.

### Features and Benefits

- Segmented cable will be effectively connected together or connected to the terminal appliance.
- Good insulation properties.
- Easy to install, easy to distinguish between cable types.

### Technical Details

Test Item	Test Method	Typical Value
Work frequency voltage withstand	4kv/1min	No breakdown and no flashover
Load cycling(3 times)	5hrs heating	2.4kv/4hrs
	3hrs heating	No breakdown and no flashover
Work frequency voltage withstand	2.4kv/4hrs	No breakdown and no flashover

### Product Selection

Product Code	Name	For Cable mm <sup>2</sup>	Product Code	Name	For Cable mm <sup>2</sup>
TLSY01-1/0	1-cores terminations	10-16	JLSY01-1/0	1-cores joints	10-16
TLSY01-1/1	1-cores terminations	25-50	JLSY01-1/1	1-cores joints	25-50
TLSY01-1/2	1-cores terminations	70-120	JLSY01-1/2	1-cores joints	70-120
TLSY01-1/3	1-cores terminations	150-240	JLSY01-1/3	1-cores joints	150-240
TLSY01-1/4	1-cores terminations	300-400	JLSY01-1/4	1-cores joints	300-400
TLSY01-2/0	2-cores terminations	10-16	JLSY01-2/0	2-cores joints	10-16
TLSY01-2/1	2-cores terminations	25-50	JLSY01-2/1	2-cores joints	25-50
TLSY01-2/2	2-cores terminations	70-120	JLSY01-2/2	2-cores joints	70-120
TLSY01-2/3	2-cores terminations	150-240	JLSY01-2/3	2-cores joints	150-240
TLSY01-2/4	2-cores terminations	300-400	JLSY01-2/4	2-cores joints	300-400
TLSY01-3/0	3-cores terminations	10-16	JLSY01-3/0	3-cores joints	10-16
TLSY01-3/1	3-cores terminations	25-50	JLSY01-3/1	3-cores joints	25-50
TLSY01-3/2	3-cores terminations	70-120	JLSY01-3/2	3-cores joints	70-120
TLSY01-3/3	3-cores terminations	150-240	JLSY01-3/3	3-cores joints	150-240
TLSY01-3/4	3-cores terminations	300-400	JLSY01-3/4	3-cores joints	300-400
TLSY01-4/0	4-cores terminations	10-16	JLSY01-4/0	4-cores joints	10-16
TLSY01-4/1	4-cores terminations	25-50	JLSY01-4/1	4-cores joints	25-50
TLSY01-4/2	4-cores terminations	70-120	JLSY01-4/2	4-cores joints	70-120
TLSY01-4/3	4-cores terminations	150-240	JLSY01-4/3	4-cores joints	150-240
TLSY01-4/4	4-cores terminations	300-400	JLSY01-4/4	4-cores joints	300-400
TLSY01-5/0	5-cores terminations	10-16	JLSY01-5/0	5-cores joints	10-16
TLSY01-5/1	5-cores terminations	25-50	JLSY01-5/1	5-cores joints	25-50
TLSY01-5/2	5-cores terminations	70-120	JLSY01-5/2	5-cores joints	70-120
TLSY01-5/3	5-cores terminations	150-240	JLSY01-5/3	5-cores joints	150-240
TLSY01-5/4	5-cores terminations	300-400	JLSY01-5/4	5-cores joints	300-400



## LCA10 10KV 6-24KV COLD SHRINKABLE CABLE ACCESSORIES

Cold shrinkable cable accessories are made of liquid silicone rubber vulcanization molding injection factory, then by extension, lined with plastic spiral support for the various cable attachment parts, onsite insulation, the set of pre-defined expansion is processed at the end of the cable or connector service, taking the internal support plastic support bar, pressing in the cable insulation of cable attachments on the form, Because it is at room temperature by elastic recoil force, rather than shrinkable cable accessory to use heat shrink, it is commonly known as cold shrinkable cable accessories.

### Features and Benefits

- Segmented cable will be effectively connected together or connected to the terminal appliance.
- Good insulation properties.
- Easy to install, easy to distinguish between cable types.

### Technical Details

Test Item	Test Method	Typical Value
Work frequency voltage withstand	45kv/1min	No breakdown and no flashover
Work frequency voltage withstand	45kv/1min	No breakdown and no flashover
Work frequency long term voltage withstand	35kv/4hrs	No breakdown and no flashover
Impact voltage withstand	105kv/10times	No breakdown
D.C voltage withstand	52kv/15min	No breakdown and no flashover
Part discharge(kv,pc)	13, ≤20	13, 10

### Product Selection

Product Code	Name	For Cable mm <sup>2</sup>
NLSY10-3/1	3-cores indoor XLPE termination	25-50
NLSY10-3/2	3-cores indoor XLPE termination	70-120
NLSY10-3/3	3-cores indoor XLPE termination	150-240
NLSY10-3/4	3-cores indoor XLPE termination	300-400
WLSY10-3/1	3-cores outdoor XLPE termination	25-50
WLSY10-3/2	3-cores outdoor XLPE termination	70-120
WLSY10-3/3	3-cores outdoor XLPE termination	150-240
WLSY10-3/4	3-cores outdoor XLPE termination	300-400
JLSY10-3/1	3-cores outdoor XLPE joints	25-50
JLSY10-3/2	3-cores outdoor XLPE joints	70-120
JLSY10-3/3	3-cores outdoor XLPE joints	150-240
JLSY10-3/4	3-cores outdoor XLPE joints	300-400

Product Code	Name	For Cable mm <sup>2</sup>
NLSY10-1/1	1-cores indoor XLPE termination	25-50
NLSY10-1/2	1-cores indoor XLPE termination	70-120
NLSY10-1/3	1-cores indoor XLPE termination	150-240
NLSY10-1/4	1-cores indoor XLPE termination	300-400
WLSY10-1/1	1-cores outdoor XLPE termination	25-50
WLSY10-1/2	1-cores outdoor XLPE termination	70-120
WLSY10-1/3	1-cores outdoor XLPE termination	150-240
WLSY10-1/4	1-cores outdoor XLPE termination	300-400
JLSY10-1/1	1-cores outdoor XLPE joints	25-50
JLSY10-1/2	1-cores outdoor XLPE joints	70-120
JLSY10-1/3	1-cores outdoor XLPE joints	150-240
JLSY10-1/4	1-cores outdoor XLPE joints	300-400



## LCA35 35KV 36KV COLD SHRINKABLE CABLE ACCESSORIES

Cold shrinkable cable accessories are made of liquid silicone rubber vulcanization molding injection factory, then by extension, lined with plastic spiral support for the various cable attachment parts, onsite insulation, the set of pre-defined expansion is processed at the end of the cable or connector service, taking the internal support plastic support bar, pressing in the cable insulation of cable attachments on the form, Because it is at room temperature by elastic recoil force, rather than shrinkable cable accessory to use heat shrink, it is commonly known as cold shrinkable cable accessories.

### Features and Benefits

- Segmented cable will be effectively connected together or connected to the terminal appliance.
- Good insulation properties.
- Easy to install, easy to distinguish between cable types.

### Technical Details

Test Item	Test Method	Typical Value
Work frequency wet voltage withstand	35kv/1min	No breakdown and no flashover
Work frequency long term voltage withstand	65kv/4hrs	No breakdown and no flashover
Impact voltage withstand	250kv/10times	No breakdown
D.C voltage withstand	156kv/15min	No breakdown and no flashover
Part discharge(kv,pc)	39, ≤20	39, 4

### Product Selection

Product Code	Name	For Cable mm <sup>2</sup>
NLSY35-3/1	3-cores indoor termination	25-50
NLSY35-3/2	3-cores indoor termination	70-120
NLSY35-3/3	3-cores indoor termination	150-240
NLSY35-3/4	3-cores indoor termination	300-400
WLSY35-3/1	3-cores outdoor termination	25-50
WLSY35-3/2	3-cores outdoor termination	70-120
WLSY35-3/3	3-cores outdoor termination	150-240
WLSY35-3/4	3-cores outdoor termination	300-400
JLSY35-3/1	3-cores outdoor joints	25-50
JLSY35-3/2	3-cores outdoor joints	70-120
JLSY35-3/3	3-cores outdoor joints	150-240
JLSY35-3/4	3-cores outdoor joints	300-400

Product Code	Name	For Cable mm <sup>2</sup>
NLSY35-1/1	1-cores indoor termination	25-50
NLSY35-1/2	1-cores indoor termination	70-120
NLSY35-1/3	1-cores indoor termination	150-240
NLSY35-1/4	1-cores indoor termination	300-400
WLSY35-1/1	1-cores outdoor termination	25-50
WLSY35-1/2	1-cores outdoor termination	70-120
WLSY35-1/3	1-cores outdoor termination	150-240
WLSY35-1/4	1-cores outdoor termination	300-400
JLSY35-1/1	1-cores outdoor joints	25-50
JLSY35-1/2	1-cores outdoor joints	70-120
JLSY35-1/3	1-cores outdoor joints	150-240
JLSY35-1/4	1-cores outdoor joints	300-400





## CS(X) CONSTANT SPRING

Constant spring is mainly used in shrinkable accessories, heat shrinkable cable accessories in the fixed ground effect, convenient operation, quick and convenient use, firm characteristics.

### Products Structure

The end is not glue, glue intermediate encryption, use the imported nylon gum, adapt to the normal use of low-temperature environment, surface coating thermopaint, products in use process temperature indicating paint fading has shrinkage is completed, the use of more convenient, more intuitive.

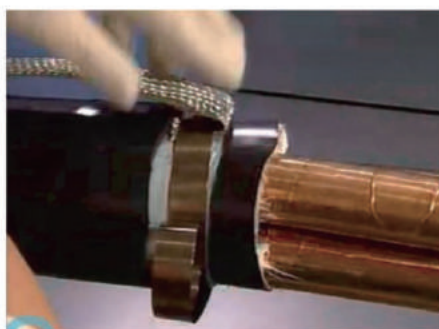
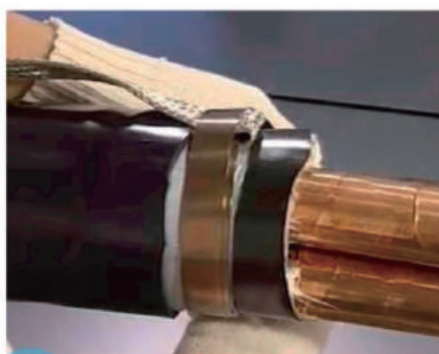
X:N=No magnetic constant spring

Y=magnetic constant spring

Thank you for your order and write accurately.

### Technical Details

Product Code	Test Item	Test Method	Typical Value	Result
Φ12	Thickness(mm)	0.20±0.02	0.19 0.20 0.21	ok
	Width(mm)	20±0.5	19.8 19.8 20.0	ok
	Inner Dia(mm)	12±1.0	11.8 11.8 12.0	ok
	Circle	7	5.5 5.5 5.5	ok
	Tensile(kg)	≥1.3	1.42 1.43 1.44	ok
Φ14	Thickness(mm)	0.22±0.02	0.21 0.22 0.23	ok
	Width(mm)	20±0.5	19.8 19.9 20.0	ok
	Inner Dia(mm)	14±1.0	13.8 13.9 14.0	ok
	Circle	7	5.5 5.5 5.5	ok
	Tensile(kg)	≥1.4	1.51 1.52 1.54	ok
Φ16	Thickness(mm)	0.25±0.02	0.24 0.25 0.26	ok
	Width(mm)	20±0.5	19.8 19.9 20.0	ok
	Inner Dia(mm)	16±1.0	15.8 15.9 16.0	ok
	Circle	7	5.5 5.5 5.5	ok
	Tensile(kg)	≥1.5	1.61 1.62 1.64	ok
Φ18	Thickness(mm)	0.3±0.02	0.29 0.30 0.31	ok
	Width(mm)	20±0.5	19.8 19.9 20.0	ok
	Inner Dia(mm)	18±1.0	17.8 17.9 18.0	ok
	Circle	7	5.5 5.5 5.5	ok
	Tensile(kg)	≥1.6	1.71 1.72 1.74	ok
Φ22	Thickness(mm)	0.33±0.02	0.32 0.33 0.34	ok
	Width(mm)	20±0.5	19.8 19.9 20.0	ok
	Inner Dia(mm)	22±1.0	21.8 21.9 22.0	ok
	Circle	7	5.5 5.5 5.5	ok
	Tensile(kg)	≥1.8	1.91 1.92 1.94	ok
Φ25	Thickness(mm)	0.33±0.02	0.33 0.32 0.34	ok
	Width(mm)	20±0.5	19.8 19.9 20.0	ok
	Inner Dia(mm)	25±1.0	24.8 24.9 25.0	ok
	Circle	7	5.5 5.5 5.5	ok
	Tensile(kg)	≥2	2.10 2.12 2.14	ok
Φ32	Thickness(mm)	0.4±0.02	0.39 0.40 0.41	ok
	Width(mm)	20±0.5	19.8 19.9 20.0	ok
	Inner Dia(mm)	32±1.5	31.5 32.0 32.5	ok
	Circle	7	5.5 5.5 5.5	ok
	Tensile(kg)	≥2.5	2.51 2.55 2.60	ok
Φ36	Thickness(mm)	0.45±0.02	0.44 0.45 0.46	ok
	Width(mm)	20±0.5	19.8 19.9 20.0	ok
	Inner Dia(mm)	36±1.5	35.5 36.0 36.5	ok
	Circle	7	5.5 5.5 5.5	ok
	Tensile(kg)	≥3	3.10 3.20 3.30	ok

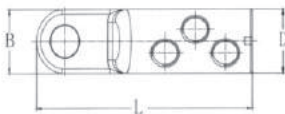


## Technical Details

Product Code	Test Item	Test Method	Typical Value	Result
Φ40	Thickness(mm)	0.5±0.02	0.49 0.50 0.51	ok
	Width(mm)	20±0.5	19.8 19.9 20.0	ok
	Inner Dia(mm)	40±1.5	39.5 40.0 40.5	ok
	Circle	7	5.5 5.5 5.5	ok
	Tensile(kg)	≥3.5	3.60 3.62 3.63	ok
Φ45	Thickness(mm)	0.55±0.02	0.54 0.55 0.56	ok
	Width(mm)	20±0.5	19.8 19.9 20.0	ok
	Inner Dia(mm)	45±1.5	44.5 45.0 45.5	ok
	Circle	7	5.5 5.5 5.5	ok
	Tensile(kg)	≥4	4.10 4.22 4.23	ok
Φ50	Thickness(mm)	0.6±0.02	0.59 0.60 0.61	ok
	Width(mm)	20±0.5	19.8 19.9 20.0	ok
	Inner Dia(mm)	50±2	49.7 50.0 50.5	ok
	Circle	7	5.5 5.5 5.5	ok
	Tensile(kg)	≥5	5.10 5.20 5.23	ok
Φ55	Thickness(mm)	0.6±0.02	0.59 0.60 0.61	ok
	Width(mm)	20±0.5	19.8 19.9 20.0	ok
	Inner Dia(mm)	55±2	54.7 55.0 55.5	ok
	Circle	7	5.5 5.5 5.5	ok
	Tensile(kg)	≥5	5.10 5.20 5.23	ok
Φ60	Thickness(mm)	0.65±0.02	0.64 0.65 0.66	ok
	Width(mm)	20±0.5	19.8 19.9 20.0	ok
	Inner Dia(mm)	60±2	59.0 60.0 61.0	ok
	Circle	7	5.5 5.5 5.5	ok
	Tensile(kg)	≥5	5.10 5.20 5.23	ok
Φ70	Thickness(mm)	0.7±0.02	0.69 0.70 0.71	ok
	Width(mm)	20±0.5	19.8 19.9 20.0	ok
	Inner Dia(mm)	70±2	69.0 70.0 71.0	ok
	Circle	7	5.5 5.5 5.5	ok
	Tensile(kg)	≥6	6.10 6.20 6.23	ok
Φ80	Thickness(mm)	0.80±0.02	0.79 0.80 0.81	ok
	Width(mm)	20±0.5	19.8 19.9 20.0	ok
	Inner Dia(mm)	80±2.5	79.0 80.0 81.0	ok
	Circle	7	5.5 5.5 5.5	ok
	Tensile(kg)	≥6.5	6.60 6.62 6.63	ok
Φ90	Thickness(mm)	0.85±0.02	0.79 0.80 0.81	ok
	Width(mm)	20±0.5	19.8 19.9 20.0	ok
	Inner Dia(mm)	85±2.5	79.0 80.0 81.0	ok
	Circle	7	5.5 5.5 5.5	ok
	Tensile(kg)	≥7	6.90 7.0 7.10	ok
Φ100	Thickness(mm)	0.9±0.02	0.79 0.80 0.81	ok
	Width(mm)	20±0.5	19.8 19.9 20.0	ok
	Inner Dia(mm)	90±2.5	79.0 80.0 81.0	ok
	Circle	7	5.5 5.5 5.5	ok
	Tensile(kg)	≥7.5	7.50 7.45 7.3	ok

## Product Selection

Type	Width(±0.5) × Thickness(±0.02)	Circle
Φ12	15.5*0.2	7
Φ14	15.5*0.22	7
Φ16	15.5*0.25	7
Φ18	15.5*0.3	7
Φ22	20*0.32	7
Φ25	20*0.33	7
Φ28	20*0.37	7
Φ30	20*0.40	7
Φ32	20*0.40	7
Φ36	20*0.45	7
Φ40	20*0.50	7
Φ45	20*0.50	7
Φ50	20*0.55	7
Φ55	20*0.55	7
Φ60	20*0.60	7
Φ70	20*0.70	7
Φ80	20*0.80	7
Φ90	20*0.85	7
Φ100	20*0.90	7



## AUL/B, Aluminium Bolted Lug

- Mechanical lug, no needs of crimping tools and the attendant operator skill
- Only a socket spanner or a wrench is needed
- Torque controlled sheared off bolts guarantee a good electrical contact.
- Wide application range.
- The solid palm eliminates the ingress of moisture
- Prefilled with jointing compound

Material: Al ≥ 99.5%

Surface: electro tin plated.

### Product Selection

Type	Conductor Size (mm)	DIMENSION			Stud Size
		L (mm)	D (mm)	B (mm)	
AUL16-70-12/B	16-70	90	23	23	M12
AUL25-95-12/B	25-95	74	24	24	M12
AUL50-150-12/B	50-150	108	28	28	M12
AUL95-240-16/B	95-240	129	34	34	M16
AUL185-400-16/B	185-400	174	44	44	M16



## GLL/B, Aluminium Bolted Connector, medium voltage

- No needs of crimping tools and the attendant operator skill
- Only a socket spanner or a wrench is needed
- Torque controlled sheared off bolts guarantee a good electrical contact.
- Large application range.
- Prefilled with jointing compound
- Material: Al ≥ 99.5%

Application: medium voltage

Surface: electro tin plated.

### Product Selection

Type	Conductor Size (mm)	DIMENSION	
		L (mm)	D (mm)
GLL10-35/2/B	10-35	45	19
GLL16-70/4/B	16-70	106	23
GLL25-95/2/B	25-95	65	24
GLL50-150/4/B	50-150	135	28
GLL95-240/6/B	95-240	149	34
GLL185-400/6/B	185-400	218	44



## Copper Mesh

It is used for the connection of cable metallic shielding of low voltage and medium voltage cable joint and termination.

Features:

- Formed by knitting from wire into a tube,
- Wire is tinned copper with no evidence of tarnish

### Product Selection

type	Diameter of wire (mm)	Width of mesh (MM)	Length of mesh (MM)
HY80	0.13	80	200-5000
HY100	0.13	100	200-5000

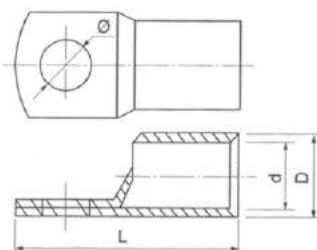


## SC-1 Copper Cable Lug

SC-1 copper cable lugs are suitable for the connection of copper conductors (section 1.5–1000mm<sup>2</sup>) in power cable with electric equipment. They are made of 99.9% pure tin coated copper tube T2. Working temperature is from -55°C to +150°C.

### Product Selection

Type	Φ	D	d	Q
SC-1.5	F4,f5	3.5	1.8	18
SC-2.5	f4,f5,f6	4	2.5	19
SC-4	f5,f6	4.8	3.1	21
SC-6	f5,f6,f8	5.5	3.8	24
SC-10	f6,f8	6.8	4.8	25.5
SC-16	f6,f8,f10	7.5	5.5	30.5
SC-25	f6,f8,f10,f12	9	7	34
SC-35	f8,f10,f12	10.5	8.2	38
SC-50	f8,f10,f12	12.5	9.8	45
SC-70	f8,f10,f12	14.5	11.5	50
SC-95	f10,f12	17.5	13.8	55.5
SC-120	f12,f16	19.5	15.5	63
SC-150	f12,f16	20.5	16.5	70
SC-185	f16	23.5	18.8	78
SC-240	f16	26	21	92
SC-300	f16,f20	30	24	102
SC-400	f16,f20	34	27	113
SC-500	f16,f20	38	30	123
SC-630	f20	45	35	135
SC-800	f22	50	40	170
SC-1000	f22	56	44	200





## LVIT1 2:1 1KV LOW VOLTAGE HEAT SHRINKABLE INSULATION TUBING

Thin wall heat shrinkable tubing for insulating and protecting bus bar against flashover caused by accidental bridging. Allows the air space between bus bar to be kept at minimum when space is limited in switchgear cabinets. Easy to position on a variety of curved and bent bus bar of both rectangular and circular shapes.

### Features and Benefits

- Reduces bus bar clearance requirement.
- Provides more freedom in designing switchgear cabinets when space is limited.
- Suitable for insulating bus bar up to 1kv.
- Protects against short circuit and electrical leakage caused by small animals.
- Protects against corrosion and other contaminants that may cause accidental flashover.
- Available in continuous length for convenient and economical installation.
- Highly flame retardant.
- RoHS compliant, halogen free.

### Shrink Physical Properties

- Operating Temperature: -40°C to 105°C
- Shrink Temperature: 125°C

### Color Selection

- Black, Red, Yellow, Blue, Green

### Product Code Cross References

- Raychem/Tyco: LVIT

## Technical Details

Test Item	Test Method	Typical Value
Tensile strength	ASTM D2671	≥12MPa
Thermal endurance	IEC 216	105°C
Breakdown elongation	ASTM D2671	≥400%
Density	ASTM D2671	1.21g/cm <sup>3</sup>
Dielectric strength	ASTM D2671	≥20Kv/mm
Accelerated aging at 136°C for 168hrs	Tensile strength	≥12MPa
	Breakdown elongation	≥300%
Low temperature flexibility at -40°C for 4hrs	ASTM D2671	No cracking
Heat shock at 200°C for 4hrs	ASTM D2671	No drop/No flow
Flammability(oxygen index)	ASTM D2863	≥28
Smoke index	-	Less than 120
Volume resistivity	ASTM D2671	≥10 <sup>11</sup> Ω.cm
Water absorption at 23°C for 336hrs	ASTM D570	≤0.5%
Resistance to selected fluids at 23°C for 168hrs	Tensile strength	≥8MPa
	Breakdown elongation	≥250%
copper corrosion at 158°C for 168hrs	IEC60684-3	Pass
Long term aging at 120°C for 3000hrs	Breakdown elongation	IEC 60684-2 ≥17.5%
Color fastness to light	IEC60684-3	Compare between exposed and unexposed part: the color does not change

## Product Selection

Product Code	Before Shrink		After Shrink		Standard Packages (m/roll)
	I.D(mm) ≥	Wall Thickness (mm)	I.D(mm) ≤	Wall Thickness (mm)	
LVIT1-2-18/9	18	0.27	9	0.55	50
LVIT1-2-20/10	20	0.30	10	0.60	50
LVIT1-2-25/12	25	0.30	12	0.60	25
LVIT1-2-30/15	30	0.30	15	0.60	25
LVIT1-2-30/17	35	0.32	17	0.65	25
LVIT1-2-40/20	40	0.32	20	0.65	25
LVIT1-2-45/22	45	0.35	22	0.70	25
LVIT1-2-50/25	50	0.35	25	0.70	25
LVIT1-2-60/30	60	0.40	30	0.80	25
LVIT1-2-70/35	70	0.40	35	0.80	25
LVIT1-2-80/40	80	0.40	40	0.80	25
LVIT1-2-90/45	90	0.40	45	0.80	25
LVIT1-2-100/50	100	0.45	50	0.90	25
LVIT1-2-120/60	120	0.45	60	0.90	25
LVIT1-2-150/60	150	0.57	60	1.40	25
LVIT1-2-180/72	180	0.57	72	1.40	25
LVIT1-2-210/84	210	0.70	84	1.60	25



## MVIT10D 3:1

### 6-24KV SINGLE MEDIUM VOLTAGE HEAT SHRINKABLE INSULATION TUBING

Medium wall heat shrinkable tubing for insulating and protecting bus bar against flashover caused by accidental bridging. Allows the air space between bus bar to be kept at minimum when space is limited in switchgear cabinets. Easy to position on a variety of curved and bent bus bar of both rectangular and circular shapes.

#### Features and Benefits

- Reduces bus bar clearance requirement.
- Provides more freedom in designing switchgear cabinets when space is limited.
- Suitable for insulating bus bar up to 24kv.
- Protects against short circuit and electrical leakage caused by small animals.
- Protects against corrosion and other contaminants that may cause accidental flashover.
- Available in continuous length for convenient and economical installation.
- Highly flame retardant.
- RoHS compliant, halogen free.

#### Shrink Physical Properties

- Operating Temperature: -40°C to 105°C
- Shrink Temperature: 125°C

#### Color Selection

- Black, Red, Yellow, Blue, Green

### Technical Details

Test Item	Test Method	Typical Value
Tensile strength	ASTM D2671	≥12MPa
Thermal endurance	IEC 216	105°C
Breakdown elongation	ASTM D2671	≥400%
Density	ASTM D2671	1.21g/cm <sup>3</sup>
Accelerated aging at 136°C for 168hrs	Tensile strength	≥10MPa
	Breakdown elongation	≥300%
Dielectric strength	2mm/0.08inch wall	≥20Kv/mm
	2.5mm/0.10inch wall	≥17Kv/mm
Low temperature flexibility at -40°C for 4hrs	ASTM D2671	No cracking
Heat shock at 200°C for 4hrs	ASTM D2671	No drop/No flow
Flammability(oxygen index)	ASTM D2863	≥28
Smoke index	-	Less than 120
Volume resistivity	ASTM D2671	≥10 <sup>11</sup> Ω.cm
Water absorption at 23°C for 336hrs	ASTM D570	≤0.5%
Resistance to selected fluids at 23°C for 168hrs	Tensile strength	≥8MPa
	Breakdown elongation	≥250%
copper corrosion at 158°C for 168hrs	IEC60684-3	Pass
Long term aging at 120°C for 3000hrs	Breakdown elongation	IEC 60684-2 ≥175%
Color fastness to light	IEC60684-3	Compare between exposed and unexposed part: the color does not change.

### Product Selection

Product Code	Before Shrink		After Shrink		Standard Packages (m/roll)
	I.D(mm) ≥	Wall Thickness (mm)	I.D(mm) ≤	Wall Thickness (mm)	
MVIT10D-3-25/8	25	1.02	8	2.50	1,1.22M
MVIT10D-3-30/10	30	1.02	10	2.50	1,1.22M
MVIT10D-3-35/12	35	1.03	12	2.50	1,1.22M
MVIT10D-3-39/13	39	1.05	13	2.70	1,1.22M
MVIT10D-3-45/15	45	1.06	15	2.70	1,1.22M
MVIT10D-3-50/16	50	1.07	16	2.90	1,1.22M
MVIT10D-3-65/21	65	1.07	21	2.90	1,1.22M
MVIT10D-3-75/25	75	1.07	25	2.90	1,1.22M
MVIT10D-3-85/28	85	1.07	28	3.00	1,1.22M
MVIT10D-3-95/30	95	1.07	30	3.10	1,1.22M
MVIT10D-3-100/33	100	1.07	33	3.10	1,1.22M
MVIT10D-3-120/40	120	1.10	40	3.10	1,1.22M
MVIT10D-3-150/50	150	1.10	50	3.15	1,1.22M
MVIT10D-3-180/60	180	1.10	60	3.20	1,1.22M
MVIT10D-3-210/70	210	1.10	70	3.20	1,1.22M
MVIT10D-3-250/70	250	1.10	70	3.70	1,1.22M
MVIT10D-3-300/70	300	1.10	70	4.40	1,1.22M



## MVIT10L 2:1

### 6-24KV CONTINUOUS MEDIUM VOLTAGE HEAT SHRINKABLE INSULATION TUBING

Medium wall heat shrinkable tubing for insulating and protecting bus bar against flashover caused by accidental bridging. Allows the air space between bus bar to be kept at minimum when space is limited in switchgear cabinets. Easy to position on a variety of curved and bent bus bar of both rectangular and circular shapes.

#### Features and Benefits

- Reduces bus bar clearance requirement.
- Provides more freedom in designing switchgear cabinets when space is limited.
- Suitable for insulating bus bar up to 24kv.
- Protects against short circuit and electrical leakage caused by small animals.
- Protects against corrosion and other contaminants that may cause accidental flashover.
- Available in continuous length for convenient and economical installation.
- Highly flame retardant.
- RoHS compliant, halogen free.

#### Shrink Physical Properties

- Operating Temperature: -40°C to 105°C
- Shrink Temperature: 125°C

#### Color Selection

- Black, Red, Yellow, Blue, Green or Other color

#### Technical Details

Test Item	Test Method	Typical Value	
Tensile strength	ASTM D2671	≥12MPa	
Thermal endurance	IEC 216	105°C	
Breakdown elongation	ASTM D2671	≥400%	
Density	ASTM D2671	1.21g/cm <sup>3</sup>	
Accelerated aging at 136°C for 168hrs	Tensile strength	≥10MPa	
	Breakdown elongation	≥300%	
Dielectric strength	2mm/0.08inch wall	≥20Kv/mm	
	2.5mm/0.10inch wall	≥17Kv/mm	
Low temperature flexibility at -40°C for 4hrs	ASTM D2671	No cracking	
Heat shock at 200°C for 4hrs	ASTM D2671	No drop/No flow	
Flammability(oxygen index)	ASTM D2863	≥28	
Smoke index	-	Less than 120	
Volume resistivity	ASTM D2671	≥10 <sup>11</sup> Ω.cm	
Water absorption at 23°C for 336hrs	ASTM D570	≤0.5%	
Resistance to selected fluids at 23°C for 168hrs	Tensile strength	≥8MPa	
	Breakdown elongation	≥250%	
copper corrosion at 158°C for 168hrs	IEC60684-3	Pass	
Long term aging at 120°C for 3000hrs	Breakdown elongation	IEC 60684-2	≥175%
Color fastness to light	IEC60684-3	Compare between exposed and unexposed part: the color does not change.	

#### Product Selection

Product Code	Before Shrink		After Shrink		Standard Packages (m/roll)
	I.D(mm) ≥	Wall Thickness (mm)	I.D(mm) ≤	Wall Thickness (mm)	
MVIT 10L-2-20/10	20	1.09	10	2.00	25
MVIT 10L-2-25/12	25	1.04	12	2.00	25
MVIT 10L-2-30/15	30	1.06	15	2.00	25
MVIT 10L-2-40/20	40	1.05	20	2.00	25
MVIT 10L-2-45/22	45	1.02	22	2.00	25
MVIT 10L-2-50/25	50	1.04	25	2.00	25
MVIT 10L-2-60/30	60	1.14	30	2.20	25
MVIT 10L-2-70/35	70	1.13	35	2.20	25
MVIT 10L-2-80/40	80	1.13	40	2.20	25
MVIT 10L-2-90/45	90	1.13	45	2.20	25
MVIT 10L-2-100/50	100	1.12	50	2.20	25
MVIT 10L-2-120/60	120	1.12	60	2.20	25
MVIT 10L-2-150/60	150	1.13	60	2.75	25



## MVIT10L 2.5:1 6-24KV CONTINUOUS MEDIUM VOLTAGE HEAT SHRINKABLE INSULATION TUBING

Medium wall heat shrinkable tubing for insulating and protecting bus bar against flashover caused by accidental bridging. Allows the air spacing between bus bar to be kept at minimum when space is limited in switchgear cabinets. Easy to position on a variety of curved and bent bus bar of both rectangular and circular shapes.

### Features and Benefits

- Reduces bus bar clearance requirement.
- Provides more freedom in designing switchgear cabinets when space is limited.
- Suitable for insulating bus bar up to 24kv.
- Protects against short circuit and electrical leakage caused by small animals.
- Protects against corrosion and other contaminants that may cause accidental flash-over.
- Available in continuous length for convenient and economical installation.
- Highly flame retardant.
- RoHS compliant, halogen free.

### Shrink Physical Properties

- Operating Temperature: -40°C to 105°C
- Shrink Temperature: 125°C

### Color Selection

- Black, Red, Yellow, Blue, Green or Other color

### Technical Details

Test Item	Test Method	Typical Value
Tensile strength	ASTM D2671	≥12MPa
Thermal endurance	IEC 216	105°C
Breakdown elongation	ASTM D2671	≥400%
Density	ASTM D2671	1.21g/cm <sup>3</sup>
Accelerated aging at 136°C for 168hrs	Tensile strength	≥10MPa
	Breakdown elongation	≥300%
Dielectric strength	2mm/0.08inch wall	≥20Kv/mm
	2.5mm/0.10inch wall	≥17Kv/mm
Low temperature flexibility at -40°C for 4hrs	ASTM D2671	No cracking
Heat shock at 200°C for 4hrs	ASTM D2671	No drop/No flow
Flammability(oxygen index)	ASTM D2863	≥28
Smoke index	-	Less than 120
Volume resistivity	ASTM D2671	≥10 <sup>11</sup> Ω.cm
Water absorption at 23°C for 336hrs	ASTM D570	≤0.5%
Resistance to selected fluids at 23°C for 168hrs	Tensile strength	≥8MPa
	Breakdown elongation	≥250%
copper corrosion at 158°C for 168hrs	IEC60684-3	Pass
Long term aging at 120°C for 3000hrs	Breakdown elongation	IEC 60684-2 ≥175%
Color fastness to light	IEC60684-3	Compare between exposed and unexposed part: the color does not change.

### Product Selection

Product Code	Before Shrink		After Shrink		Standard Packages (m/roll)
	I.D(mm) ≥	Wall Thickness (mm)	I.D(mm) ≤	Wall Thickness (mm)	
MVIT 10L-2.5-20/8	20	1.07	8	2.30	20,25
MVIT 10L-2.5-25/10	25	1.10	10	2.40	20,25
MVIT 10L-2.5-30/12	30	1.15	12	2.55	20,25
MVIT 10L-2.5-40/16	40	1.12	16	2.55	20,25
MVIT 10L-2.5-45/18	45	1.11	18	2.55	20,25
MVIT 10L-2.5-50/20	50	1.10	20	2.55	20,25
MVIT 10L-2.5-60/24	60	1.11	24	2.60	20,25
MVIT 10L-2.5-70/28	70	1.10	28	2.60	20,25
MVIT 10L-2.5-80/32	80	1.10	32	2.60	20,25
MVIT 10L-2.5-90/36	90	1.09	36	2.60	20,25
MVIT 10L-2.5-100/40	100	1.15	40	2.75	20,25
MVIT 10L-2.5-120/48	120	1.14	48	2.75	20,25
MVIT 10L-2.5-150/60	150	1.13	60	2.75	20,25
MVIT 10L-2.5-180/72	180	1.13	72	2.75	20,25
MVIT 10L-2.5-210/84	210	1.23	85	3.00	20,25





## HVIT35D 2.5:1 36KV SINGLE MEDIUM VOLTAGE HEAT SHRINKABLE INSULATION TUBING

Heavy wall heat shrinkable tubing for insulating and protecting bus bar against flashover caused by accidental bridging. Allows the air spacing between bus bar to be kept at minimum when space is limited in switchgear cabinets. Easy to position on a variety of curved and bent bus bar of both rectangular and circular shapes.

### Features and Benefits

- Reduces bus bar clearance requirement.
- Provides more freedom in designing switchgear cabinets when space is limited.
- Suitable for insulating bus bar up to 36kv.
- Protects against short circuit and electrical leakage caused by small animals.
- Protects against corrosion and other contaminants that may cause accidental flashover.
- Available in continuous length for convenient and economical installation.
- Highly flame retardant.
- RoHS compliant, halogen free.

### Shrink Physical Properties

- Operating Temperature: -40°C to 105°C
- Shrink Temperature: 125°C

### Color Selection

- Black, Red, Yellow, Blue, Green  
or Other color

### Technical Details

Test Item	Test Method	Typical Value
Tensile strength	ASTM D2671	≥12MPa
Thermal endurance	IEC 216	105°C
Breakdown elongation	ASTM D2671	≥400%
Density	ASTM D2671	1.21g/cm <sup>3</sup>
Accelerated aging at 136°C for 168hrs	Tensile strength	≥10MPa
	Breakdown elongation	≥300%
Dielectric strength	2mm/0.08inch wall	≥20Kv/mm
	2.5mm/0.10inch wall	≥17Kv/mm
Low temperature flexibility at -40°C for 4hrs	ASTM D2671	No cracking
Heat shock at 200°C for 4hrs	ASTM D2671	No drop/No flow
Flammability(oxygen index)	ASTM D2863	≥28
Smoke index	-	Less than 120
Volume resistivity	ASTM D2671	≥10 <sup>11</sup> Ω.cm
Water absorption at 23°C for 336hrs	ASTM D570	≤0.5%
Resistance to selected fluids at 23°C for 168hrs	Tensile strength	≥8MPa
	Breakdown elongation	≥250%
copper corrosion at 158°C for 168hrs	IEC60684-3	Pass
Long term aging at 120°C for 3000hrs	Breakdown elongation	IEC 60684-2 ≥175%
Color fastness to light	IEC60684-3	Compare between exposed and unexposed part: the color does not change.

### Product Selection

Product Code	Before Shrink		After Shrink		Standard Packages (m/roll)
	I.D(mm) ≥	Wall Thickness (mm)	I.D(mm) ≤	Wall Thickness (mm)	
HVIT35D-2x-20/8	20	1.59	8	3.20	1,1.22
HVIT35D-2x-25/10	25	1.53	10	3.20	1,1.22
HVIT35D-2x-30/12	30	1.50	12	3.20	1,1.22
HVIT35D-2x-40/16	40	1.55	16	3.40	1,1.22
HVIT35D-2x-45/18	45	1.53	18	3.40	1,1.22
HVIT35D-2x-50/20	50	1.51	20	3.40	1,1.22
HVIT35D-2x-65/25	65	1.52	25	3.60	1,1.22
HVIT35D-2x-75/30	75	1.56	30	3.60	1,1.22
HVIT35D-2x-85/35	85	1.59	35	3.60	1,1.22
HVIT35D-2x-95/38	95	1.63	38	3.80	1,1.22
HVIT35D-2x-100/40	100	1.62	40	3.80	1,1.22
HVIT35D-2x-120/50	120	1.67	50	3.80	1,1.22
HVIT35D-2x-150/60	150	1.68	60	4.00	1,1.22
HVIT35D-2x-180/72	180	1.66	72	4.00	1,1.22
HVIT35D-2x-210/72	210	1.62	72	4.50	1,1.22
HVIT35D-2x-250/72	250	1.69	72	5.50	1,1.22
HVIT35D-2x-300/72	300	1.69	72	6.50	1,1.22



## HVIT35L 2:1 36KV CONTINUOUS MEDIUM VOLTAGE HEAT SHRINKABLE INSULATION TUBING

Heavy wall heat shrinkable tubing for insulating and protecting bus bar against flashover caused by accidental bridging. Allows the air spacing between bus bar to be kept at minimum when space is limited in switchgear cabinets. Easy to position on a variety of curved and bent bus bar of both rectangular and circular shapes.

### Features and Benefits

- Reduces bus bar clearance requirement.
- Provides more freedom in designing switchgear cabinets when space is limited.
- Suitable for insulating bus bar up to 36kv.
- Protects against short circuit and electrical leakage caused by small animals.
- Protects against corrosion and other contaminants that may cause accidental flashover.
- Available in continuous length for convenient and economical installation.
- Highly flame retardant.
- RoHS compliant, halogen free.

### Shrink Physical Properties

- Operating Temperature: -40°C to 105°C
- Shrink Temperature: 125°C

### Color Selection

- Black, Red, Yellow, Blue, Green or Other color

### Technical Details

Test Item	Test Method	Typical Value	
Tensile strength	ASTM D2671	≥12MPa	
Thermal endurance	IEC 216	105°C	
Breakdown elongation	ASTM D2671	≥400%	
Density	ASTM D2671	1.21g/cm <sup>3</sup>	
Accelerated aging at 136°C for 168hrs	Tensile strength	≥10MPa	
	Breakdown elongation	≥300%	
Dielectric strength	2mm/0.08inch wall	≥20Kv/mm	
	2.5mm/0.10inch wall	≥17Kv/mm	
Low temperature flexibility at -40°C for 4hrs	ASTM D2671	No cracking	
Heat shock at 200°C for 4hrs	ASTM D2671	No drop/No flow	
Flammability(oxygen index)	ASTM D2863	≥28	
Smoke index	-	Less than 120	
Volume resistivity	ASTM D2671	≥10 <sup>11</sup> Ω.cm	
Water absorption at 23°C for 336hrs	ASTM D570	≤0.5%	
Resistance to selected fluids at 23°C for 168hrs	Tensile strength	≥8MPa	
	Breakdown elongation	≥250%	
copper corrosion at 158°C for 168hrs	IEC60684-3	Pass	
Long term aging at 120°C for 3000hrs	Breakdown elongation	IEC 60684-2	≥175%
Color fastness to light	IEC60684-3	Compare between exposed and unexposed part: the color does not change.	

### Product Selection

Product Code	Before Shrink		After Shrink		Standard Packages (m/roll)
	I.D(mm) ≥	Wall Thickness (mm)	I.D(mm) ≤	Wall Thickness (mm)	
HVIT35L-2-20/10	20	1.60	10	2.80	20
HVIT35L-2-25/12	25	1.60	12	3.00	20
HVIT35L-2-30/15	30	1.60	15	3.00	20
HVIT35L-2-40/20	40	1.60	20	3.00	20
HVIT35L-2-45/22	45	1.60	22	3.00	20
HVIT35L-2-50/25	50	1.65	25	3.10	20
HVIT35L-2-60/30	60	1.65	30	3.20	20
HVIT35L-2-70/35	70	1.65	35	3.20	20
HVIT35L-2-80/40	80	1.65	40	3.20	20
HVIT35L-2-90/45	90	1.65	45	3.20	20
HVIT35L-2-100/50	100	1.65	50	3.20	20
HVIT35L-2-120/60	120	1.65	60	3.20	20
HVIT35L-2-150/60	150	1.65	60	4.00	20
HVIT35L-2-180/72	180	1.65	72	4.00	20



## DRS(X) 2:1 THIN WALL TUBING FOR ELECTRIC

Thin wall tubing with environmentally friendly halogen free formula. Excellent performance for various commercial applications where insulating, color-coding, bundling and light harness jacketing are desired.

### Features and Benefits

- Shrink Ratio 2:1 available, providing easy installation even if there are large diameter difference.
- Excellent flexibility, does not easily wrinkle.
- Ideal for electronic insulation and protection, strain relief and wire bundling.
- Common applications include electronic systems of subway, air craft, submarine and other control room facilities and environments.
- RoHS compliant halogen free, environmentally friendly.
- Flame retardant meets the UL224 VW-1 standard.

### Shrink Physical Properties

- Operating Temperature: -40°C to 105°C
- Shrink Temperature: 125°C

### Color Selection

- Black, Red, Yellow, Blue, Green  
Transparent, or Other color

### Technical Details

Test Item	Test Method	Typical Value
Tensile strength	ASTM D2671	≥10.4MPa
Breakdown elongation	ASTM D2671	≥350%
Longitudinal shrinkable ratio	ASTM D2671	≤±5%
Flame retardant	UI224	VW-1
Heat shock at 200°C for 4hrs	ASTM D2671	No drop/No flow
Dielectric strength	ASTM D2671	≥15Kv/mm
Water absorption at 23°C for 336hrs	ASTM D570	≤0.5%
Low temperature flexibility at -40°C for 4hrs	ASTM D2671	No cracking

### Product Selection

Product Code	Before Shrink		After Shrink		Standard Packages (m/roll)
	I.D(mm) ≥	Wall Thickness (mm)	I.D(mm) ≤	Wall Thickness (mm)	
DRS(X)-2-0.6/0.4	0.6	0.14	0.4	0.20	200
DRS(X)-2-0.8/0.5	0.8	0.14	0.5	0.20	200
DRS(X)-2-1.0/0.5	1.0	0.15	0.5	0.25	200
DRS(X)-2-1.5/0.75	1.5	0.18	0.75	0.30	200
DRS(X)-2-2.0/1.0	2.0	0.17	1.0	0.30	200
DRS(X)-2-2.5/1.25	2.5	0.17	1.25	0.30	200
DRS(X)-2-3.0/1.5	3.0	0.23	1.5	0.40	200
DRS(X)-2-3.5/1.75	3.5	0.22	1.75	0.40	200
DRS(X)-2-4.0/2.0	4.0	0.22	2.0	0.40	200
DRS(X)-2-4.5/2.25	4.5	0.22	2.25	0.40	100
DRS(X)-2-5.0/2.5	5.0	0.22	2.5	0.40	100
DRS(X)-2-6.0/3.0	6.0	0.22	3.0	0.40	100
DRS(X)-2-7.0/3.5	7.0	0.21	3.5	0.40	100
DRS(X)-2-8.0/4.0	8.0	0.21	4.0	0.40	100
DRS(X)-2-9.0/4.5	9.0	0.21	4.5	0.40	100
DRS(X)-2-10.0/5.0	10	0.21	5.0	0.40	100
DRS(X)-2-11/5.5	11	0.26	5.5	0.50	100
DRS(X)-2-12/6	12	0.26	6.0	0.50	100
DRS(X)-2-13/6.5	13	0.26	6.5	0.50	100
DRS(X)-2-14/7	14	0.26	7.0	0.50	100
DRS(X)-2-15/7.5	15	0.29	7.5	0.55	100



## DRS(X) 3:1 THIN WALL TUBING FOR ELECTRIC

Thin wall tubing with environmentally friendly halogen free formula. Excellent performance for various commercial applications where insulating, color-coding, bundling and light harness jacketing are desired.

### Features and Benefits

- Shrink Ratio 2:1 available, providing easy installation even if there are large diameter difference.
- Excellent flexibility, does not easily wrinkle.
- Ideal for electronic insulation and protection, strain relief and wire bundling.
- Common applications include electronic systems of subway, air craft, submarine and other control room facilities
- RoHS compliant halogen free, environmentally friendly.
- Flame retardant meets the UL224 VW-1 standard.

### Shrink Physical Properties

- Operating Temperature: -40°C to 105°C
- Shrink Temperature: 125°C

### Color Selection

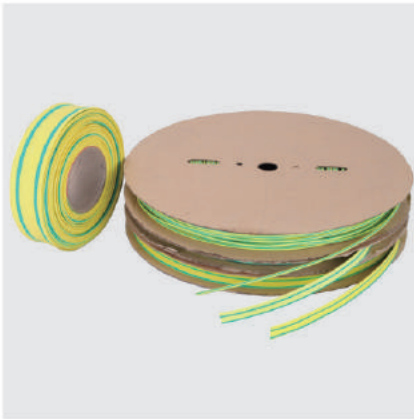
- Black, Red, Yellow, Blue, Green  
Transparent, or Other color

### Technical Details

Test Item	Test Method	Typical Value
Tensile strength	ASTM D2671	≥10.4MPa
Breakdown elongation	ASTM D2671	≥350%
Longitudinal shrinkable ratio	ASTM D2671	≤ ± 5%
Flame retardant	UI224	VW-1
Heat shock at 200°C for 4hrs	ASTM D2671	No drop/No flow
Dielectric strength	ASTM D2671	≥15Kv/mm
Water absorption at 23°C for 336hrs	ASTM D570	≤0.5%
Low temperature flexibility at -40°C for 4hrs	ASTM D2671	No cracking

### Product Selection

Product Code	Before Shrink		After Shrink		Standard Packages (m/roll)
	I.D(mm) ≥	Wall Thickness (mm)	I.D(mm) ≤	Wall Thickness (mm)	
DRS(X)-3-1.5/0.5	1.5	0.27	0.50	0.50	200
DRS(X)-3-3/1	3.0	0.35	1.00	0.70	200
DRS(X)-3-4.5/1.5	4.5	0.31	1.5	0.70	100
DRS(X)-3-6/2	6.0	0.35	2.00	0.80	100
DRS(X)-3-9/3	9.0	0.42	3.00	1.00	50
DRS(X)-3-12/4	12	0.45	4.00	1.10	50
DRS(X)-3-15/5	15	0.48	5.00	1.20	50
DRS(X)-3-18/6	18	0.51	6.00	1.30	50
DRS(X)-3-24/8	24	0.58	8.00	1.50	25
DRS(X)-3-30/10	30	0.65	10.00	1.70	25
DRS(X)-3-39/13	39	0.71	13.00	1.90	25
DRS(X)-3-50/16	50	0.91	16.00	2.50	1
DRS(X)-3-60/20	60	0.96	20.00	2.60	1
DRS(X)-3-70/23	70	0.94	23.00	2.60	1
DRS(X)-3-80/26	80	0.99	26.00	2.80	1
DRS(X)-3-90/30	90	1.01	30.00	2.80	1
DRS(X)-3-100/33	100	1.07	33.00	3.00	1



## YGDRS 2:1 YELLOW AND GREEN HEAT SHRINKABLE TUBING

YGDRS is mainly used for wires, cable, terminal, the welding point, capacitor, bare metal insulation, corrosion and special ground identifies.

### Features and Benefits

- Shrink Ratio 2:1 available, providing easy installation even if there are large diameter difference.
- Excellent flexibility, does not easily wrinkle.
- Ideal for electronic insulation and protection, strain relief and wire bundling.
- Common applications include electronic systems of subway, air craft, submarine and other control room facilities.
- RoHS compliant halogen free, environmentally friendly.
- Flame retardant meets the UL224 VW-1 standard.

### Shrink Physical Properties

- Operating Temperature: -40°C to 105°C
- Shrink Temperature: 125°C

### Color Selection

- Yellow Green

### Technical Details

Test Item	Test Method	Typical Value
Tensile strength	ASTM D2671	≥ 12MPa
Breakdown elongation	ASTM D2671	≥ 450%
Longitudinal shrinkable ratio	ASTM D2671	≤ ± 5%
Flame retardant	UI224	VW-1
Heat shock at 200°C for 4hrs	ASTM D2671	No drop/No flow
Dielectric strength	ASTM D2671	≥ 15Kv/mm
Water absorption at 23°C for 336hrs	ASTM D570	≤ 0.5%
Low temperature flexibility at -40°C for 4hrs	ASTM D2671	No cracking

### Product Selection

Product Code	Before Shrink		After Shrink		Standard Packages (m/roll)
	I.D(mm) ≥	Wall Thickness (mm)	I.D(mm) ≤	Wall Thickness (mm)	
YGDRS-2-1.0/0.5	1.0	0.18	0.5	0.36	200
YGDRS-2-1.5/0.75	1.5	0.19	0.75	0.38	200
YGDRS-2-2.0/1.0	2.0	0.19	1.0	0.38	200
YGDRS-2-2.5/1.25	2.5	0.20	1.25	0.40	200
YGDRS-2-3.0/1.5	3.0	0.20	1.5	0.40	200
YGDRS-2-4.0/2.0	4.0	0.20	2.0	0.40	200
YGDRS-2-5.0/2.5	5.0	0.21	2.5	0.42	100
YGDRS-2-6.0/3.0	6.0	0.21	3.0	0.42	100
YGDRS-2-7.0/3.5	7.0	0.21	3.5	0.42	100
YGDRS-2-8.0/4.0	8.0	0.21	4.0	0.42	100
YGDRS-2-10.0/5.0	10.0	0.25	5.0	0.50	100
YGDRS-2-12.0/6.0	12	0.25	6.0	0.50	100
YGDRS-2-14/7	14	0.25	7.0	0.50	100
YGDRS-2-16/8	16	0.29	8.0	0.58	100
YGDRS-2-18/9	18	0.30	9.0	0.6	50
YGDRS-2-20/10	20	0.30	10	0.6	50
YGDRS-2-25/12.5	25	0.35	12.5	0.7	25
YGDRS-2-28/14	28	0.37	14	0.75	25
YGDRS-2-30/15	30	0.39	15	0.78	25
YGDRS-2-35/17.5	35	0.39	17.5	0.78	25
YGDRS-2-40/20	40	0.39	20	0.78	25
YGDRS-2-50/25	50	0.40	25	0.8	25
YGDRS-2-60/30	60	0.43	30	0.86	25



## PVDF 2:1 PVDF HEAT SHRINKABLE TUBING

PVDF heat shrinkable tubing is made of semi-rigid material with good resistance to corrosion and abrasion, designed for insulating protection and visual inspect in electronic, automotive, military and other application under high temperature (150°C or 175°C)

### Features and Benefits

- Available to high temperature environment.
- Excellent resistance to chemical and solvent corrosion.
- Wearability provides protection for mechanical abrasion.
- Transparent tube is easy to visual inspection.
- Flame retardant meets UL224 VW-1.

### Shrink Physical Properties

- Operating Temperature: -55°C to 175°C
- Shrink Temperature: 150°C or 175°C

### Color Selection

- Transparent

### Technical Details

Test Item	Test Method	Typical Value
Tensile strength	ASTM D2671	≥20MPa
Breakdown elongation	ASTM D2671	≥150%
Heat shock at 400°C for 4hrs	ASTM D2671	No drop/No flow
Dielectric strength	ASTM D2671	≥25Kv/mm
Low temperature flexibility at -65°C for 4hrs	ASTM D2671	No cracking
Heat resistance	300°C/h	No cracking
Volume resistivity	ASTM D2671	≥10 <sup>12</sup> Ω.cm
Flammability	UL VW-1	Pass
Organic dissolvent resistance	ASTM D543	No change
Copper corrosion	-180°C/168h	No corrosion

### Product Selection

Product Code	Before Shrink	After Shrink	Standard Packages (m/roll)
	I.D(mm) ≥	I.D(mm) ≤	
PVDF-Φ1.2	1.2	0.60	200
PVDF-Φ1.6	1.6	0.80	200
PVDF-Φ2.4	2.4	1.2	200
PVDF-Φ3.2	3.2	1.6	100
PVDF-Φ4.8	4.8	2.4	100
PVDF-Φ6.4	6.4	3.2	100
PVDF-Φ9.5	9.5	4.8	50
PVDF-Φ12.7	12.7	6.4	50
PVDF-Φ19	19	9.5	50
PVDF-Φ25.4	25.4	12.7	50



## DWDRS(X) 3(4):1 DUAL WALL HEAT SHRINKABLE TUBING

DWDRS(X) is soft and flame retardant, and meets SAE-AMS-DTL-23053/4 military standard requirements, produced by extrusion molding with polyolefin and hot melt, polyolefin outer wall, the inner wall of hot melt adhesive, both insulating and sealing effects. Widely used in the seal, waterproof and moisture-proof for automotive wire, marine cables, wires and metal tubing bundling. Two shrink ratio of 3:1 and 4:1.

### Features and Benefits

- Military Standard, soft, flame retardant, good sealing, moisture proof and waterproof performance.

### Shrink Physical Properties

- Operating Temperature: -45°C to 125°C
- Shrink Temperature: 80°C to 125°C

### Color Selection

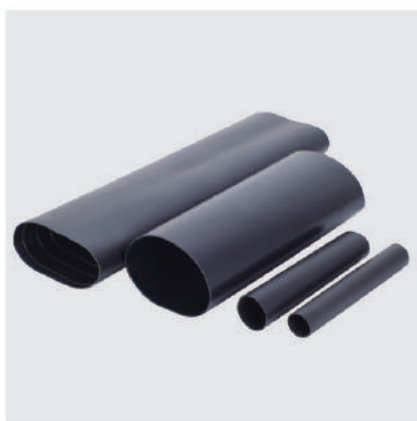
- Black, Oxide red, transparent (non flame retardant), or other colors

### Technical Details

Test Item	Test Method	Typical Value
Tensile strength	ASTM D2671	≥10.4MPa
Breakdown elongation	ASTM D2671	≥380%
After agingt 158°C f, 168hrs	Tensile strength	≥8MPa
	Breakdown elongation	≥300%
Flammability	SAE-AMS-DTL-23053/4	30s
Heat shock at 250°C for 4hrs	ASTM D2671	No drop/No flow
Water absorption at 23°C for 336hrs	ASTM D570	≤0.5%
Low temperature flexibility at -40°C for 4hrs	ASTM D2671	No cracking

### Product Selection

Product Code	Before Shrink		After Shrink		Standard Packages (m/roll)
	I.D(mm) MIN	I.D(mm) MAX	Wall Thickness (mm)	Wall Thickness (mm)	
DWDRS(3)-3.0/1.0	3.00	1.00	0.50	0.50	1.22,200m
DWDRS(3)-4.8/1.5	4.80	1.50	0.50	0.50	1.22,100m
DWDRS(3)-6.0/2.0	6.00	2.00	0.50	0.50	1.22,100m
DWDRS(3)-9.0/3.0	9.00	3.00	0.80	0.60	1.22,50m
DWDRS(3)-12.0/4.0	12.00	4.00	0.80	0.80	1.22,25m
DWDRS(3)-19.0/6.0	19.00	6.00	1.35	0.80	1.22,25m
DWDRS(3)-24.0/8.0	24.00	8.00	1.40	1.00	1.22,25m
DWDRS(3)-30.0/10.0	30.00	10.00	1.40	1.00	1.22,25m
DWDRS(3)-40.0/13.0	40.00	13.00	1.40	1.00	1.22,25m
DWDRS(3)-50.0/19.0	50.00	19.00	1.40	1.00	1.22,25m
		4.1 SHRINK			
DWDRS(4)-4.0/1.0	4.00	1.00	0.50	0.50	1.22,100m
DWDRS(4)-6.0/1.5	6.00	1.50	0.50	0.50	1.22,100m
DWDRS(4)-8.0/2.0	8.00	2.00	0.50	0.50	1.22,50m
DWDRS(4)-12.0/3.0	12.00	3.00	0.80	0.60	1.22,25m
DWDRS(4)-16.0/4.0	16.00	4.00	0.80	0.80	1.22,25m
DWDRS(4)-24.0/6.0	24.00	6.00	1.35	0.80	1.22,25m
DWDRS(4)-32.0/8.0	32.00	8.00	1.40	1.00	1.22,25m
DWDRS(4)-52.0/13.0	52.00	13.00	1.40	1.00	1.22,25m



## MWPC(X) 3:1 MEDIUM WALL HEAT SHRINKABLE PROTECT TUBING WITH COATING

MWPC, polyolefin sleeve lined in low temperature (high temperature) hot melt, can be effective to seal and protect cables or other components need to be protected. It has fast shrink, good seals, peel strength high temperature resistance and other characteristics. Widely used in cable, submersible component connection, corrosion control and other fields.

### Features and Benefits

- Shrink ratio 3:1 allows for easy installation when there are large diameter difference between connectors and components.
- Adhesive liner provides waterproof sealing against moisture, water, and other contaminants.
- Excellent electrical insulation, abrasion resistance and strain relief.
- Available in black and red for easy identification of cable polarity and troubleshooting.
- High temperature resistance.
- RoHS compliant, halogen free.

### Shrink Physical Properties

- Operating Temperature: -40°C to 90°C
- Shrink Temperature: 125°C

### Color Selection

- Black, Oxide red, transparent or other colors

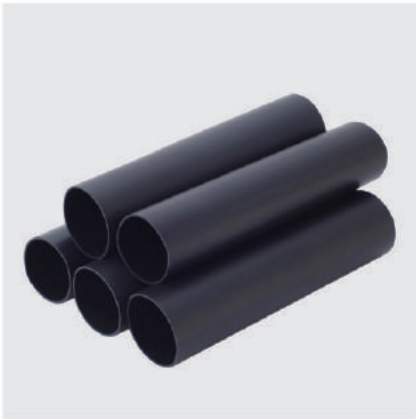
## Technical Details

Test Item	Test Method	Typical Value
Tensile strength	ASTM D2671	≥11MPa
Breakdown elongation	ASTM D2671	≥380%
After agingt	Tensile strength	≥11MPa
	Breakdown elongation	≥350%
Flammability (oxygen index)	ASTM D2863	≥28
Heat shock at 200°C for 4hrs	ASTM D2671	No drop/No flow
Dielectric strength	ASTM D2671	≥15Kv/mm
Water absorption at 23°C for 336hrs	ASTM D570	≤0.5%
Low temperature flexibility at -40°C for 4hrs	ASTM D2671	No cracking
Peel off strength to PEX	ASTM D2671	≥30N/cm
Peel off strength to steel	ASTM D2671	≥30N/cm

## Product Selection

Product Code	Before Shrink		After Shrink		Standard Packages (m/roll)
	I.D(mm) ≥	Wall Thickness (mm)	I.D(mm) ≤	Wall Thickness (mm)	
MWPC(X)-12/4	12	0.87	4	2.00	1,1.22m
MWPC(X)-16/5	16	0.89	5	2.20	1,1.22m
MWPC(X)-19/6	19	0.86	6	2.20	1,1.22m
MWPC(X)-22/6	22	0.76	6	2.20	1,1.22m
MWPC(X)-25/8	25	0.84	8	2.20	1,1.22m
MWPC(X)-28/6	28	0.61	6	2.20	1,1.22m
MWPC(X)-33/8	33	0.65	8	2.20	1,1.22m
MWPC(X)-35/12	35	0.85	12	2.20	1,1.22m
MWPC(X)-40/12	40	0.75	12	2.20	1,1.22m
MWPC(X)-45/13	45	0.72	13	2.20	1,1.22m
MWPC(X)-55/16	55	0.85	16	2.60	1,1.22m
MWPC(X)-65/19	65	0.84	19	2.60	1,1.22m
MWPC(X)-75/22	75	0.94	22	2.90	1,1.22m
MWPC(X)-85/25	85	0.93	25	2.90	1,1.22m
MWPC(X)-95/25	95	0.84	25	2.90	1,1.22m
MWPC(X)-115/34	115	0.92	34	2.90	1,1.22m
MWPC(X)-130/36	130	0.86	36	2.90	1,1.22m
MWPC(X)-140/42	140	0.92	42	2.90	1,1.22m
MWPC(X)-160/50	160	0.95	50	2.90	1,1.22m
MWPC(X)-175/58	175	0.96	58	2.80	1,1.22m
MWPC(X)-200/65	200	0.97	65	2.90	1,1.22m
MWPC(X)-230/75	230	0.97	75	2.90	1,1.22m
MWPC(X)-260/75	260	1.02	75	3.40	1,1.22m
MWPC(X)-300/75	300	1.03	75	4.00	1,1.22m
MWPC(X)-350/75	350	1.00	75	4.50	1,1.22m





## TVC 3:1 CATV HEAT SHRINKABLE CONNECTING TUBING

TVC heat shrinkable tubing is coated with waterproof adhesive liner and designed specially for sealing and protecting of splice and connectors in CATV industrial.

### Features and Benefits

- Shrink ratio 3:1 allows for easy installation when there are large diameter difference between connectors and components.
- Effective mechanical protection and seals against water and moisture.
- Adhesive flow smoothly and no drop when heated.
- Thermoindicator paint will change color when it is excess heating, ensuring a proper installation.
- RoHS compliant, halogen free.

### Shrink Physical Properties

- Operating Temperature: -55°C to 110°C
- Shrink Temperature: 125°C

### Color Selection

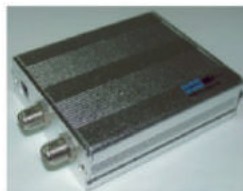
- Black (with paint or not)

### Technical Details

Test Item	Test Method	Typical Value
Tensile strength	ASTM D2671	≥11MPa
Breakdown elongation	ASTM D2671	≥380%
After aging	Tensile strength	≥11MPa
	Breakdown elongation	≥350%
Flammability (oxygen index)	ASTM D2863	≥28
Heat shock at 200°C for 4hrs	ASTM D2671	No drop/No flow
Dielectric strength	ASTM D2671	≥15Kv/mm
Water absorption at 23°C for 336hrs	ASTM D570	≤0.5%
Low temperature flexibility at -40°C for 4hrs	ASTM D2671	No cracking
Softening point of adhesive	ASTM E28	90 ± 5°C
Peel off strength to PEX	ASTM D1000	110N/25mm
Peel off strength to Aluminum	ASTM D1000	80N/25mm
Fungus resistance	ASTM G21	No growth
Copper corrosion	ASTM D2671	No corrosion

### Product Selection

Product Code	Before Shrink		After Shrink		Standard Packages (m/roll)
	I.D(mm) ≥	Wall Thickness (mm)	I.D(mm) ≤	Wall Thickness (mm)	
TVC 0400(12/4)	12	0.87	4	2.00	1,1.22m
TVC 0750(19/6)	19	0.86	6	2.50	1,1.22m
TVC 1100(28/9)	28	0.61	9	2.50	1,1.22m
TVC 1300(33/10)	33	0.65	10	2.50	1,1.22m
TVC 1500(38/12)	38	0.85	12	2.50	1,1.22m
TVC 1700(43/12)	43	0.75	12	2.50	1,1.22m
TVC 2050(55/16)	55	0.85	16	2.70	1,1.22m
TVC 2750(75/22)	75	0.94	22	3.00	1,1.22m





## ACT 3:1 DUAL WALL BLACK MASTIC ANTI-CORROSION HEAT SHRINKABLE TUBING

ACT heat shrinkable tube with black sealant mastic coated and designed specially to prevent corrosion and protect the joints of metal pipe and soil anchors.

### Features and Benefits

- Shrink ratio 3:1 .
- Effective mechanical protection and seals against water and moisture.
- High electrical insulation.
- Special black mastic bonds to both the steel and common pipeline..
- RoHS compliant, halogen free.

### Shrink Physical Properties

- Operating Temperature: -55°C to 110°C
- Shrink Temperature: 135°C

### Color Selection

- Black

## Technical Details

Test Item	Test Method	Typical Value
Tensile strength	ASTM D2671	≥14MPa
Breakdown elongation	ASTM D2671	≥380%
After aging	Tensile strength	≥11MPa
	Breakdown elongation	≥350%
Impact brittleness	ISO 974	< -40
Dielectric strength	ASTM D2671	≥15Kv/mm
Water absorption at 23°C for 24hrs	ISO 62	≤0.15%
Softening pint of adhesive	ASTM E28	90 ± 5°C
Peel off strength to PEX	ASTM D1000	110N/25mm
Peel off strength to Aluminum	ASTM D1000	70N/25mm
Copper corrosion	ASTM D2671	No corrosion

## Product Selection

Product Code	Before Shrink		After Shrink		Standard Packages (m/roll)
	I.D(mm) ≥	Wall Thickness (mm)	I.D(mm) ≤	Wall Thickness (mm)	
ACT-33/8	33	0.65	8	2.50	1,1.22
ACT-40/12	40	0.85	12	2.50	1,1.22
ACT-55/22	55	0.85	16	2.70	1,1.22
ACT-75/25	75	0.94	25	2.90	1,1.22
ACT-85/28	85	0.93	25	2.90	1,1.22
ACT-95/30	95	0.84	30	2.90	1,1.22



## HWPC(X) 3:1 HEAVY WALL HEAT SHRINKABLE PROTECT TUBING WITH COATING

HWPC, polyolefin sleeve lined in low temperature (high temperature) hot melt, can be effective to seal and protect cables or other components need to be protected. It has fast shrink, good seals, peel strength high temperature resistance and other characteristics. Widely used in cable, submersible component connection, corrosion control and other fields.

### Features and Benefits

- Shrink ratio 3:1 allows for easy installation when there are large diameter difference between connectors and components.
- Adhesive liner provides waterproof sealing against moisture, water, and other contaminants.
- Excellent electrical insulation, abrasion resistance and strain relief.
- Available in black and red for easy identification of cable polarity and troubleshooting.
- High temperature resistance.
- RoHS compliant, halogen free.

### Shrink Physical Properties

- Operating Temperature: -40°C to 90°C
- Shrink Temperature: 125°C

### Color Selection

- Black, Oxide red, transparent or other colors

## Technical Details

Test Item	Test Method	Typical Value
Tensile strength	ASTM D2671	≥ 11MPa
Breakdown elongation	ASTM D2671	≥ 380%
After aging	Tensile strength	≥ 11MPa
	Breakdown elongation	≥ 350%
Flammability (oxygen index)	ASTM D2863	≥ 28
Heat shock at 200°C for 4hrs	ASTM D2671	No drop/No flow
Dielectric strength	ASTM D2671	≥ 15Kv/mm
Water absorption at 23°C for 336hrs	ASTM D570	≤ 0.5%
Low temperature flexibility at -40°C for 4hrs	ASTM D2671	No cracking
Peel off strength to PEX	ASTM D2671	≥ 30N/cm
Peel off strength to steel	ASTM D2671	≥ 30N/cm

## Product Selection

Product Code	Before Shrink		After Shrink		Standard Packages (m/roll)
	I.D.(mm) ≥	Wall Thickness (mm)	I.D.(mm) ≤	Wall Thickness (mm)	
HWPC(X)-9/3	9	0.98	3	2.50	1,1.22m
HWPC(X)-12/4	12	1.15	4	2.50	1,1.22m
HWPC(X)-16/5	16	1.04	5	2.50	1,1.22m
HWPC(X)-19/6	19	1.27	6	3.00	1,1.22m
HWPC(X)-22/6	22	1.12	6	3.00	1,1.22m
HWPC(X)-25/8	25	1.21	8	3.00	1,1.22m
HWPC(X)-28/6	28	0.90	6	3.00	1,1.22m
HWPC(X)-33/8	33	0.94	8	3.00	1,1.22m
HWPC(X)-35/12	35	1.21	12	3.00	1,1.22m
HWPC(X)-40/12	40	1.28	12	3.50	1,1.22m
HWPC(X)-45/13	45	1.22	13	3.50	1,1.22m
HWPC(X)-55/16	55	1.27	16	3.70	1,1.22m
HWPC(X)-65/19	65	1.25	19	3.70	1,1.22m
HWPC(X)-75/22	75	1.23	22	3.70	1,1.22m
HWPC(X)-85/25	85	1.22	25	3.70	1,1.22m
HWPC(X)-95/25	95	1.19	25	4.00	1,1.22m
HWPC(X)-100/30	100	1.28	30	4.00	1,1.22m
HWPC(X)-115/34	115	1.23	34	4.00	1,1.22m
HWPC(X)-130/36	130	1.21	36	4.00	1,1.22m
HWPC(X)-140/42	140	1.29	42	4.00	1,1.22m
HWPC(X)-160/50	160	1.22	50	4.00	1,1.22m
HWPC(X)-175/58	175	1.21	58	4.00	1,1.22m
HWPC(X)-200/62	200	1.27	62	4.00	1,1.22m
HWPC(X)-230/68	230	1.24	68	4.00	1,1.22m
HWPC(X)-260/68	260	1.24	68	4.50	1,1.22m
HWPC(X)-300/70	300	1.22	70	5.00	1,1.22m
HWPC(X)-350/70	350	1.23	70	5.50	1,1.22m



## ATSC(X) 3 : 1 ANTI-TRACKING HEAT SHRINKABLE SKIRT WITH COATING

Ideal for insulation of power cable termination, used in voltage class 5–35kv..

### Features and Benefits

- Cross-linked polyolefin
- Anti-tracking
- Mastic applied to collars
- UV and temperature resistance
- Min. full recovery temperature: 110°C

### Shrink Physical Properties

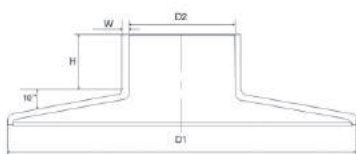
- Operating Temperature: -55°C to 105°C
- Shrink Temperature: 105°C to 135°C

### Color Selection

- Red, Black

### Product code cross references:

- RAYCHEM/TYCO:205



### Technical Details

Test Item	Test Method	Typical Value
Tensile strength	ASTM D2671	≥ 12MPa
Breakdown elongation	ASTM D2671	≥ 400%
Accelerated aging at 136°C for 168hrs	Tensile strength	≥ 10MPa
	Breakdown elongation	≥ 300%
Dielectric strength	ASTM D2671	≥ 15Kv/mm
Tracking resistance	ASTM D2303	pass
Volume resistance	ASTM D2671	≥ 10 Ω.cm
Cold bend(-55°C/4hrs)	ASTM D2671	No cracking

### Product Selection

Product Code	Before Shrink	After Shrink		Skirt D1(mm)	Column H(mm)	Cable Section area
	D2.(mm) ≥	D2.(mm) ≥	W(mm)			
ATSC-1-30/13	30	13	3.0	95	31	25-50mm <sup>2</sup> (10kv)
ATSC-1-35/13	35	12	3.0	95	31	70-120mm <sup>2</sup> (10kv)
ATSC-1-45/19	45	19	3.8	120	41	150-240mm <sup>2</sup> (10kv)
ATSC-1-50/19	50	19	3.8	120	41	25-50mm <sup>2</sup> (35kv)
ATSC-1-60/23	60	23	3.8	130	39	70-120mm <sup>2</sup> (35kv)
ATSC-1-75/30	75	30	3.8	140	43	150-240mm <sup>2</sup> (35kv)
ATSC-1-32/13	32	13	3.5	170	31	25-50mm <sup>2</sup> (10kv)
ATSC-1-34/13	34	13	3.5	170	31	70-120mm <sup>2</sup> (10kv)
ATSC-1-42/26	42	26	3.5	170	41	150-240mm <sup>2</sup> (10kv)
ATSC-1-49/26	49	26	3.5	170	41	300-400mm <sup>2</sup> (10kv)



## CT10 2.5:1 6-24KV SEMI-CONDUCTIVE HEAT SHRINKABLE TUBING

CT10 is mainly used in power cables connected position, supporting the use of other cables spare parts. The surface of the conductor material a layer of semi-conductive shielding layer which is masked with the equipotential conductor and good contact with the insulating layer, so as to avoid the insulating layer between the conductor and the partial discharge.

### Features and Benefits

- Semi-conductive shielding effect is obvious.
- Easy to operate, easy to use.
- Contraction closely, nonporous.

### Shrink Physical Properties

- Operating Temperature: -40°C to 105°C
- Shrink Temperature: 120°C

### Color Selection

- Black

### Ordering

- Product Code
- Quantity
- Package

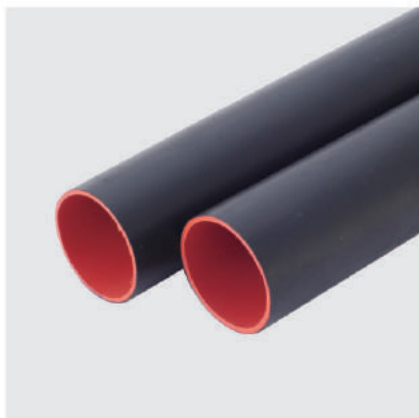
Thank you for your order and write accurately.

## Technical Details

Test Item	Test Method	Typical Value
Tensile strength	ASTM D2671	≥14MPa
Breakdown elongation	ASTM D2671	≥300%
Density	ASTM D2671	1.40g/cm <sup>3</sup>
Ultimate elongation after aging	150°C, 168hrs	≥200%
Volume resistivity	IEC 93	≤10 <sup>12</sup> Ω.cm
Water absorption at 23°C for 336hrs	ISO 62	≤0.15%
Longitudinal shrinkage	-	0±5%

## Product Selection

Product Code	Before Shrink		After Shrink		Standard Packages (m/roll)
	I.D(mm) ≥	Wall Thickness (mm)	I.D(mm) ≤	Wall Thickness (mm)	
CT-30/12	30	0.98	12	2.2	1,1.22
CT-45/16	45	0.85	16	2.2	1,1.22
CT-55/18	55	0.9	18	2.5	1,1.22
CT-65/20	65	0.92	20	2.7	1,1.22
CT-70/25	70	1.04	25	2.7	1,1.22
CT-95/35	95	1.17	30	3.0	1,1.22



## DWT35 3 :1 SEMI-CONDUCTIVE/INSULATION DOUBLE LAYER TUBING

DWT series use high-precision composite method, the semi-conductive layer together with insulating layer co-extrusion; effectively avoid the breath between semi-conductive layer and the insulating layer when the sleeve was heated during installation.

### Features and Benefits

- Dual wall conducting/insulating.
- Extra heavy wall of insulation.
- Cross-linked polyolefin.
- Up to 36kv.
- Co-extrusion technology.
- Excellent electrical properties.

### Shrink Physical Properties

- Operating Temperature: -40°C to 130°C
- Shrink Temperature: 130°C

### Color Selection

- Black-Red

## Technical Details

Test Item	Test Method	Typical Value
Tensile strength	ASTM D2671	≥14MPa
Breakdown elongation	ASTM D2671	≥300%
Density	ASTM D2671	1.40g/cm <sup>3</sup>
Ultimate elongation after aging	150°C,168hrs	≥200%
Volume resistivity	IEC 93	≤10 <sup>4</sup> Ω.cm
Water absorption at 23°C for 336hrs	ISO 62	≤0.15%
Longitudinal shrinkage	-	0±5%

## Product Selection

Product Code	Before Shrink		After Shrink		Standard Packages (m/roll)
	I.D(mm) ≥	Wall Thickness (mm)	I.D(mm) ≤	Wall Thickness (mm)	
DWT35-35/12	35	2.0	12	6.0	1.22
DWT35-45/15	45	2.0	15	6.0	1.22
DWT35-55/18	55	2.0	18	6.0	1.22
DWT35-65/25	65	2.0	25	6.0	1.22
DWT35-85/30	85	2.0	30	6.0	1.22
DWT35-100/38	100	2.0	38	6.0	1.22
DWT35-120/45	120	2.0	45	6.0	1.22
DWT35-140/50	140	2.0	50	6.0	1.22



## HSBT-S(X) 3 :1 HEAT SHRINKABLE CABLE BREAKOUT BOOTS

HSBT use semi-conductive material or insulating material injection, special production process expansion made both big end and finger with not melt adhesive lined for insulation, water-proof, moisture-proof and sealing.

### Features and Benefits

- Product is used in 6–24KV voltage class.
- Good insulating properties or semi-conductive.
- Excellent environment resistance.
- Good sealing effect.
- Operation is relatively simple.

### Shrink Physical Properties

- Operating Temperature: -40°C to 125°C
- Shrink Temperature: 105°C to 135°C

### Color Selection

- Red, Black

“S” stands for standard.

“D” represents double the number of edges

### Ordering

- Product Code • Quantity • Package

### Remark

X means

SEMI-CONDUCTIVE (S)

INSULATION(I)

Thank you for your order and write accurately.

## Technical Details

Test Item	Test Method	Typical Value
Tensile strength	ASTM D2671	≥15MPa
Breakdown elongation	ASTM D2671	≥500%
Accelerated aging at 136°C for 168hrs	Tensile strength	≥12MPa
	Breakdown elongation	≥350%
Dielectric strength	ASTM D2671	≥20Kv/mm(l)
Tracking resistance	ASTM D2303	pass
Volume resistance	ASTM D2671	≥10 <sup>11</sup> Ω.cm(S) ≥10 <sup>11</sup> Ω.cm(I)
Cold bend(-55°C/4hrs)	ASTM D2671	No cracking

## Product Selection

HSBT-S(X)										
Product Code	Before Shrink				After Shrink					Cable Specifications mm <sup>2</sup>
	BIG φ (mm)	L (mm)	Finger φ (mm)	L (mm)	BIG φ (mm)	L (mm)	Finger φ (mm)	L (mm)	H (mm)	
HSBT3-S(X)-51/16	51	95	24	52	16	108	7	50	3	10-16
HSBT3-S(X)-70/32	70	115	32	68	32	128	10	63	3	25-50
HSBT3-S(X)-86/45	86	115	38	66	45	130	14	65	3	70-120
HSBT3-S(X)-102/60	102	120	48	75	60	133	18	73	3	150-240
HSBT3-S(X)-130/70	130	130	60	85	70	143	25	83	3.5	300-500
HSBT4-S(X)-34/20	34	80	13	52	20	95	4	54	3	10-16
HSBT4-S(X)-48/22	48	83	18	49	22	98	4	48	3	25-50
HSBT4-S(X)-62/30	62	103	27	59	30	120	7	60	3	70-120
HSBT4-S(X)-72/36	72	110	31	69	36	125	9	66	3	150-240
HSBT5-S(X)-35/23	35	80	11	50	23	85	5	45	3	10-16
HSBT5-S(X)-56/29	56	89	15	55	29	96	5	58	3	25-50
HSBT5-S(X)-84/36	84	110	26	68	36	123	8	65	3	70-120
HSBT5-S(X)-95/46	95	116	33	78	46	125	11	75	3	150-240

HSBT-D(X)									
Product Code	Before Shrink		After Shrink					Cable Specifications mm <sup>2</sup>	
	BIG φ (mm)	Finger φ (mm)	BIG φ (mm)	H (mm)	Finger φ (mm)	H (mm)	Total-L (mm)		
HSBT3-D(X)-30/14	30	12	14	2.6	4.5	2.2	93	4-25	
HSBT3-D(X)-36/15	36	16	15	2.1	4.5	2.1	110	4-35	
HSBT3-D(X)-60/25	60	25	25	3.0	8.0	2.5	165	50-150	
HSBT3-D(X)-80/35	80	38	35	3.5	11.0	3.5	185	50-150	
HSBT3-D(X)-95/30	95	44	30	3.5	13.0	2.5	205	185-300	
HSBT4-D(X)-110/46	110	50	46	4.0	17.5	4.0	260	185-300	
HSBT4-D(X)-125/55	125	57	55	4.0	20.0	4.0	260	185-300	
HSBT4-D(X)-170/75	170	77	75	4.0	28.0	4.0	280	185-300	
HSBT4-D(X)-40/14	40	15	14	2.2	3.5	2.0	105	4-35	
HSBT5-D(X)-55/20	55	21	20	3.1	5.0	2.6	150	35-70	
HSBT5-D(X)-65/26	65	26	26	3.3	7.0	2.9	175	70-150	
HSBT5-D(X)-100/38	100	47	38	4.0	12.0	3.0	198	185-300	
HSBT5-D(X)-160/64	160	70	64	4.0	19.0	4.0	260	185-300	



## HSEC(X) 3 :1 HEAT SHRINKABLE CABLE END CAP

Heat shrinkable cable end cap with adhesive liner, commonly used for insulating and sealing of cable end.

### Features and Benefits

- Adhesive liner for extra insulation and sealing against moisture.
- Compatible with lead cables and polyethylene jacketed cables.
- Not applicable to gas-filled air tight cable.
- Also available without adhesive liner.

### Shrink Physical Properties

- Operating Temperature: -55°C to 125°C
- Shrink Temperature: 125°C

### Color Selection

- Red, Black

## Technical Details

Test Item	Test Method	Typical Value
Tensile strength	ASTM D2671	≥12MPa
Thermal endurance	IEC 216	-55°C to 125°C
Breakdown elongation	ASTM D2671	≥400%
Density	ASTM D2671	1.21g/cm <sup>3</sup>
Accelerated aging at 136°C for 168hrs	Tensile strength Breakdown elongation ASTM D2671	≥10MPa ≥300%
Low temperature flexibility at -40°C for 4hrs	ASTM D2671	No cracking
Heat shock at 200°C for 4hrs	ASTM D2671	No drop/No flow
Volume resistivity	ASTM D2671	≥10 <sup>14</sup> Ω.cm
Water absorption at 23°C for 336hrs	ASTM D570	≤0.5%
Dielectric strength	ASTM D2671	≥18Kv/mm

## Product Selection

Product Code	Before Shrink		After Shrink		
	D.(mm) ≤	L (mm)	A (mm)	D.(mm) ≤	Dw (mm)
HSEC(X)-12/4	12	40	15	4	2.6
HSEC(X)-14/5	15	45	18	5	2.2
HSEC(X)-20/6	20	55	25	6	2.8
HSEC(X)-25/8	25	65	30	8	2.8
HSEC(X)-35/16	35	80	35	16	3.3
HSEC(X)-40/15	40	90	40	15	3.3
HSEC(X)-55/25	55	100	50	25	3.5
HSEC(X)-75/35	75	120	55	35	4.0
HSEC(X)-100/50	100	140	70	50	4.0
HSEC(X)-120/60	120	150	70	60	4.0
HSEC(X)-140/60	140	150	70	60	4.0
HSEC(X)-160/80	160	150	70	80	4.0
HSEC(X)-200/90	200	160	70	90	4.2





## HWP(X) 3:1 HEAVY WALL PROTECT WITHOUT COATING

Heavy wall heat shrinkable tubing with radiation cross-linked polyolefin outer layer for excellent insulation and anti-corrosion.

### Features and Benefits

- Insulation and environmental protection of cable joins.
- Other applications where require insulation and protection, sealing or cable jacking.
- Abrasion resistant.
- High weather resistance.
- RoHS compliant, halogen free.

### Shrink Physical Properties

- Operating Temperature: -55°C to 105°C
- Shrink Temperature: 105°C to 135°C

### Color Selection

- Black, Oxide red, transparent or other colors

## Technical Details

Test Item	Test Method	Typical Value
Tensile strength	ASTM D2671	≥12MPa
Breakdown elongation	ASTM D2671	≥450%
Specific gravity	ASTM D792	1.15
After aging	Tensile strength	≥12MPa
	Breakdown elongation	≥350%
Flammability	ASTM D2863	≥28/0
Hardness(Shore D)	ASTM D2240	60D
Heat shock at 200°C for 4hrs	ASTM D2671	No drop/No flow
Dielectric strength	ASTM D2671	≥20Kv/mm
Water absorption at 23°C for 336hrs	ASTM D570	≤0.5%
Low temperature flexibility at -40°C for 4hrs	ASTM D2671	No cracking
Fungus resistance	ASTM G21	No growth
Copper corrosion	ASTM D2671	No corrosion

## Product Selection

Product Code	Before Shrink		After Shrink		Standard Packages (m/roll)
	I.D(mm) ≥	Wall Thickness (mm)	I.D(mm) ≤	Wall Thickness (mm)	
HWP(X)-9/3	9	0.98	3	2.50	1,1.22m
HWP(X)-12/4	12	1.15	4	2.50	1,1.22m
HWP(X)-16/5	16	1.04	5	2.50	1,1.22m
HWP(X)-19/6	19	1.27	6	3.00	1,1.22m
HWP(X)-22/6	22	1.12	6	3.00	1,1.22m
HWP(X)-25/8	25	1.21	8	3.00	1,1.22m
HWP(X)-28/6	28	0.90	6	3.00	1,1.22m
HWP(X)-33/8	33	0.94	8	3.00	1,1.22m
HWP(X)-35/12	35	1.21	12	3.00	1,1.22m
HWP(X)-40/12	40	1.28	12	3.50	1,1.22m
HWP(X)-45/13	45	1.22	13	3.50	1,1.22m
HWP(X)-55/16	55	1.27	16	3.70	1,1.22m
HWP(X)-65/19	65	1.25	19	3.70	1,1.22m
HWP(X)-75/22	75	1.23	22	3.70	1,1.22m
HWP(X)-85/25	85	1.22	25	3.70	1,1.22m
HWP(X)-95/25	95	1.19	25	4.00	1,1.22m
HWP(X)-100/30	100	1.28	30	4.00	1,1.22m
HWP(X)-115/34	115	1.23	34	3.80	1,1.22m
HWP(X)-130/36	130	1.21	36	4.00	1,1.22m
HWP(X)-140/42	140	1.29	42	4.00	1,1.22m
HWP(X)-160/50	160	1.22	50	3.70	1,1.22m
HWP(X)-175/58	175	1.21	58	3.50	1,1.22m
HWP(X)-200/62	200	1.27	62	4.00	1,1.22m
HWP(X)-230/68	230	1.24	68	4.00	1,1.22m
HWP(X)-260/68	260	1.24	68	4.50	1,1.22m
HWP(X)-300/70	300	1.22	70	5.00	1,1.22m
HWP(X)-350/70	350	1.23	70	5.50	1,1.22m



## MWP(X) 3 :1 MEDIUM WALL PROTECT WITH COATING

MWP(X), polyolefin sleeves, the actual use can be effective to seal and protect cables or other components need to be protected and it has fast shrink, good seals, peel strength high temperature resistance and other characteristics. Widely used in cables, submersible component connection, corrosion control and other fields.

### Features and Benefits

- Insulation and environmental protection of cable joins.
- Other applications where require insulation and protection, sealing or cable jacking.
- Abrasion resistant.
- High weather resistance.
- RoHS compliant, halogen free.

### Shrink Physical Properties

- Operating Temperature: -55°C to 105°C
- Shrink Temperature: 105°C to 135°C

### Color Selection

- Black, Oxide red, transparent or other colors

## Technical Details

Test Item	Test Method	Typical Value
Tensile strength	ASTM D2671	≥12MPa
Breakdown elongation	ASTM D2671	≥450%
Specific gravity	ASTM D792	1.15
After aging	Tensile strength	≥12MPa
	Breakdown elongation	≥350%
Flammability	ASTM D2863	≥28/0
Hardness(Shore D)	ASTM D2240	60D
Heat shock at 200°C for 4hrs	ASTM D2671	No drop/No flow
Dielectric strength	ASTM D2671	≥20Kv/mm
Water absorption at 23°C for 336hrs	ASTM D570	≤0.5%
Low temperature flexibility at -40°C for 4hrs	ASTM D2671	No cracking
Fungus resistance	ASTM G21	No growth
Copper corrosion	ASTM D2671	No corrosion

## Product Selection

Product Code	Before Shrink		After Shrink		Standard Packages (m/roll)
	I.D(mm) ≥	Wall Thickness (mm)	I.D(mm) ≤	Wall Thickness (mm)	
MWP(X)-12/4	12	0.87	4	2.00	1,1.22m
MWP(X)-16/5	16	0.89	5	2.20	1,1.22m
MWP(X)-19/6	19	0.86	6	2.20	1,1.22m
MWP(X)-22/6	22	0.76	6	2.20	1,1.22m
MWP(X)-25/8	25	0.84	8	2.20	1,1.22m
MWP(X)-28/6	28	0.61	6	2.20	1,1.22m
MWP(X)-33/8	33	0.65	8	2.20	1,1.22m
MWP(X)-35/12	35	0.85	12	2.20	1,1.22m
MWP(X)-40/12	40	0.75	12	2.20	1,1.22m
MWP(X)-45/13	45	0.72	13	2.20	1,1.22m
MWP(X)-55/16	55	0.85	16	2.60	1,1.22m
MWP(X)-65/19	65	0.84	19	2.60	1,1.22m
MWP(X)-75/22	75	0.94	22	2.90	1,1.22m
MWP(X)-85/25	85	0.93	25	2.90	1,1.22m
MWP(X)-95/25	95	0.84	25	2.90	1,1.22m
MWP(X)-115/34	115	0.92	34	2.90	1,1.22m
MWP(X)-130/36	130	0.86	36	2.90	1,1.22m
MWP(X)-140/42	140	0.92	42	2.90	1,1.22m
MWP(X)-160/50	160	0.95	50	2.90	1,1.22m
MWP(X)-175/58	175	0.96	58	2.80	1,1.22m
MWP(X)-200/65	200	0.97	65	2.90	1,1.22m
MWP(X)-230/75	230	0.97	75	2.90	1,1.22m
MWP(X)-260/75	260	1.02	75	3.40	1,1.22m
MWP(X)-300/75	300	1.03	75	4.00	1,1.22m
MWP(X)-350/75	350	1.00	75	4.50	1,1.22m
MWP(X)-400/75	400	1.09	75	5.50	1,1.22m
MWP(X)-450/80	450	1.13	80	6.00	1,1.22m



## NTIT10 3 :1 ANTI-TRACKING HEAT SHRINKABLE TUBING

Anti-tracking heat shrinkable tubing made of radiation cross-linked polyolefin and silicone rubber for cable termination insulation.

### Features and Benefits

- Effectively disperse the heat generated by the cable connection.
- Complete specifications.
- Products relatively soft, easy to install.

### Shrink Physical Properties

- Operating Temperature: -55°C to 105°C
- Shrink Temperature: 125°C

### Remark

L:continuous  
D:single

### Color Selection

- Black, red

## Technical Details

Test Item	Test Method	Typical Value	
Tensile strength	ASTM D2671	≥10MPa	
Breakdown elongation	ASTM D2671	≥350%	
Water absorption	ASTM D570	≤0.5%	
Heat shock(200°C/30min)	ASTM D2671	No drop/no flow	
Low temperature flexibility( -40°C /4hrs)	ASTM D2671	No cracking	
Dielectric strength	ASTM D2671	≥15Kv/mm	
Flame retardant	ASTM D2863	≥28	
Accelerated aging 68hrs at 136°C	Tensile strength	ASTM D2671	≥8MPa
	Breakdown elongation	ASTM D570	≤0.5%
Anti-tracking	2.5kv/1h	ASTM D2303	pass
	2.75kv/1h	ASTM D2303	pass
	3.0kv/1h	ASTM D2303	pass
	3.25kv/1h	ASTM D2303	pass

## Product Selection-L

Product Code	Before Shrink		After Shrink		Standard Packages (m/roll)
	I.D(mm) ≥	Wall Thickness (mm)	I.D(mm) ≤	Wall Thickness (mm)	
NTIT 10L-19/6	19	1.01	6	2.50	15
NTIT 10L-20/8	20	1.47	8	2.50	15
NTIT 10L-30/10	30	1.21	10	3.00	15
NTIT 10L-35/12	35	1.21	12	3.00	15
NTIT 10L-40/16	40	1.35	16	3.00	15
NTIT 10L-45/18	45	1.33	18	3.00	15
NTIT 10L-54/24	54	1.44	24	3.00	15
NTIT 10L-60/29	60	1.54	29	3.00	15
NTIT 10L-76/38	76	1.57	38	3.00	15
NTIT 10L-100/49	100	1.52	49	3.00	15

The wall thickness before shrink of NTIT 10L series is ±0.05mm

## Product Selection-D

Product Code	Before Shrink		After Shrink		Standard Packages (m/roll)
	I.D(mm) ≥	Wall Thickness (mm)	I.D(mm) ≤	Wall Thickness (mm)	
NTIT 10D-19/6	19	1.01	6	2.50	1.22max
NTIT 10D-20/8	20	1.18	8	2.50	1.22max
NTIT 10D-30/10	30	1.21	10	3.00	1.22max
NTIT 10D-35/12	35	1.21	12	3.00	1.22max
NTIT 10D-40/16	40	1.35	16	3.00	1.22max
NTIT 10D-45/18	45	1.33	18	3.00	1.22max
NTIT 10D-50/20	50	1.32	20	3.00	1.22max
NTIT 10D-60/25	60	1.35	25	3.00	1.22max
NTIT 10D-75/30	75	1.28	30	3.00	1.22max
NTIT 10D-100/40	100	1.21	40	3.00	1.22max



## RS 3 :1 HEAT SHRINKABLE REPAIR SLEEVE

Heat shrinkable repair sleeve is adhesive lined and closed with a flexible stainless steel locking channel. Specifically designed to quickly repair damaged cable jacking, providing sealing, insulation and protection of odd-shaped electrical objects where tubing insulation materials are not applicable.

Features and Benefits

- Quickly fitted in breakage.
- Insulation and tight-fitting repair obtained in one step by heating, which makes the sleeve coating melt and flow into interstices.
- moisture-proof.
- Semi-rigid out layer provides abrasion and corrosion resistance.
- Performs well in harsh environment.
- Steel channel enables permanent closure system.
- Customized lengths are available.
- RoHS compliant, halogen free.

Shrink Physical Properties

- Operating Temperature: -25°C to 90°C
- Shrink Temperature: 135°C

Color Selection

- Black, red,

### Technical Details

Test Item	Test Method	Typical Value
Tensile strength	ASTM D2671	≥14MPa
Breakdown elongation	ASTM D2671	≥350%
Specific gravity	ASTM D792	1.1-1.2
Elongation after heat aging(150°C for 168 hrs)	ASTM D2671	300%
Tensile strength after heat aging	ASTM D2671	12MPa
Low temperature flexibility at -40°C for 4hrs	ASTM D2671	Out layer & adhesive layer no cracking
Hardness(Shore D)	ASTM D2240	55-60D
Heat shock (200°C for 4hrs)	ASTM D2671	No cracking or flowing
Dielectric strength	ASTM D2671	15Kv/mm
Volume resistivity	ASTM D2257	10 <sup>12</sup> Ω.cm
Dielectric constant	IEC 250	5.0Max
Water absorption	ASTM D570	≤0.5%
Fungus resistance	ASTM G21	No growth

### Product Selection

Product Code	Before Shrink(mm)	After Shrink(mm)	Standard length(mm)
RS-34/8	34	8	1000-2000
RS-42/10	42	10	1000-2000
RS-53/13	53	13	1000-2000
RS-62/20	62	20	1000-2000
RS-75/20	75	20	1000-2000
RS-85/27	85	27	1000-2000
RS-93/25	93	25	1000-2000
RS-105/30	105	30	1000-2000
RS-122/30	122	30	1000-2000
RS-135/34	135	34	1000-2000
RS-146/38	146	38	1000-2000
RS-164/42	164	42	1000-2000
RS-175/50	175	50	1000-2000
RS-198/55	198	55	1000-2000
RS-210/65	210	65	1000-2000
RS-230/80	230	80	1000-2000
RS-260/100	260	100	1000-2000



## ST 10 3 :1 STRESS CONTROL HEAT SHRINKABLE TUBING

St10 is mainly used in power cables connection position to decentralize control stress. Supporting the use of other cables spare parts, mainly from the role of decentralized control stress.

### Features and Benefits

- Reduces bus bar clearance requirement.
- Effectively disperse the heat generated by the cable connection.
- Complete specifications.
- Products relatively soft, easy to install.

### Shrink Physical Properties

- Operating Temperature: -40°C to 125°C
- Shrink Temperature: 125°C

### Color Selection

- Black

### Technical Details

Test Item	Test Method	Typical Value
Tensile strength	ASTM D2671	≥ 12MPa
Breakdown elongation	ASTM D2671	≥ 300%
Density	ASTM D2671	1.46g/cm <sup>3</sup>
Low temperature flexibility at -40°C for 4hrs	ASTM D2671	No cracking
Heat shock at 200°C for 4hrs	ASTM D2671	No drop/No flow
Volume resistivity	IEC 93	≥ 10 <sup>11</sup> Ω.cm
Dielectric constant	IEC 250	≥ 19
Water absorption at 23°C for 336hrs	ASTM D570	≤ 1%

### Product Selection

Product Code	Before Shrink		After Shrink		Standard Packages (m/roll)
	I.D(mm) ≥	Wall Thickness (mm)	I.D(mm) ≤	Wall Thickness (mm)	
ST10-16/8	16	0.98	8	1.80	20
ST10-20/10	20	0.97	10	1.80	20
ST10-25/10	25	0.89	10	2.00	1.22
ST10-26/12	26	1.08	12	2.15	1.22
ST10-30/12	30	0.95	12	2.15	1.22
ST10-35/14	35	0.94	14	2.15	1.22
ST10-40/16	40	0.93	16	2.15	1.22
ST10-45/18	45	0.97	18	2.25	1.22
ST10-50/20	50	0.96	20	2.25	1.22
ST10-60/23	60	1.03	23	2.50	1.22
ST10-65/25	65	1.03	25	2.50	1.22
ST10-70/23	70	0.89	23	2.50	1.22
ST10-95/38	95	1.04	38	2.50	1.22



## FJRD HEAT SHRINKABLE COMPOSITE INSULATIVE TAPE

- The product has heat shrinkable layer and low-melting-glass polymer adhesive layer.
- The outer layer shrinks, the inner adhesive melts, to make it seal and insulate.
- Main application: protection of irregular shape electrified product, can be used in a small space, repair and sealing of cable.
- Installation: winding and laping, fixed with tape, heating from one side to the other side.

### Color Selection

- Red, yellow, blue, green, black,

### Technical Details

Test Item	Test Method	Typical Value
Tensile strength	ASTM D638	≥14MPa
Elongation	ASTM D638	≥400%
Tensile strength after aging	ASTM D638	≥12MPa
Ageing testing	ASTM D638	Pass
Dielectric constant	ASTM D156	≥2.5-3.0Ω.cm
Dielectric strength	ASTM D149	≥27-30kv/mm
Volume resistivity	ASTM D257	1 x 10 <sup>14</sup> Ω.cm
Oxygen index	ASTM D2863	≥28%
Water absorption	ASTM D570	≤0.1%

### Product Selection

Voltage Rate(kV)	Thickness(mm)	Width(mm)	Standard length(m)
6-15	1.0-1.4	25, 50	5, 10, 15
20-27	1.5-1.8	25, 50	5, 10, 15
30-36	2.0-3.2	25, 50	5, 10, 15



## KKG THE SNAP-IN INSULATION PROTECTION TUBE

- The snap-in insulation protection tube is mainly used for insulation protection of the empty frame bare wire, it has reliable performance, install easily and quickly.
- Anti creepage, it can be position to install using a unique hook struture, self-sealing and sealing adhesive seal, it is safe reliable.
- The products has good weather resistance.

Color Selection  
• Red, yellow, green,

### Technical Details

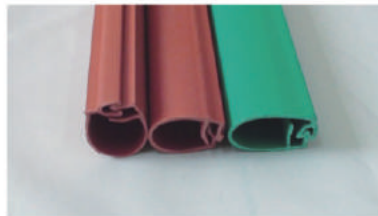
Table One

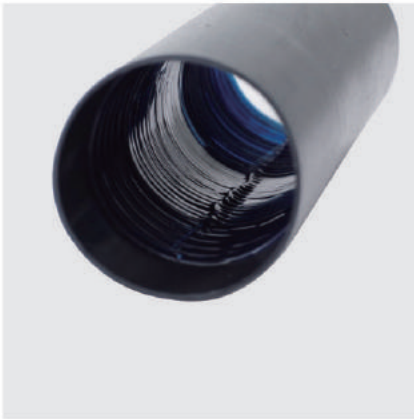
Specifications	Voltage Class(kV)	Wall Thickness(mm)	Reference Cross-sectional Area(mm)
Φ13-x	1-15	2	25-50
Φ18-x	1-15	2	70-150
Φ23-x	1-15	2	185-240
Φ31-x	1-15	2	300-500
Φ39-x	1-15	2	630-800

### Technical Details

Table Two

Specifications	Voltage Class(kV)	Wall Thickness(mm)	Reference Cross-sectional Area(mm)
Φ13-x	15-35	3	25-50
Φ18-x	15-35	3	70-150
Φ23-x	15-35	3	185-240
Φ31-x	15-35	3	300-500
Φ39-x	15-35	3	630-800





## HSPTC(N) HEAT SHRINKABLE POSITIONING GLUE TUBING

Products with high precision, high rate production technology of production, products are mainly used for optical fiber connection box joints, waterproof sealing protection function.

### Products Structure

The end is not glue, glue intermediate encryption, use the imported nylon gum, adapt to the normal use of low-temperature environment, surface coating thermopaint, products in use process temperature indicating paint fading has shrinkage is completed, the use of more convenient, more intuitive.

### Shrink Physical Properties

- Operating Temperature: -55°C to 105°C
- Shrink Temperature: 120°C to 140°C

### Technical Details

Test Item	Test Method	Typical Value
Tensile strength	ASTM D2671	≥15MPa
Breakdown elongation	ASTM D2671	≥480%
After aging	Tensile strength	≥14MPa
	Breakdown elongation	≥450%
Flammability	ASTM D2863	≥28
Heat shock at 200°C for 4hrs	ASTM D2671	No drop/No flow
Dielectric strength	ASTM D2671	≥15Kv/mm
Water absorption at 23°C for 336hrs	ASTM D570	≤0.5%
Low temperature flexibility at -40°C for 4hrs	ASTM D2671	No cracking
Peel off strength to PEX	ASTM D2671	≥35N/cm
Peel off strength to steel	ASTM D2671	≥35N/cm

### Product Selection

Product Code	Before Shrink		After Shrink		Standard Packages (m/roll)
	I.D(mm) ≥	Wall Thickness (mm)	I.D(mm) ≤	Wall Thickness (mm)	
HSPTC(N)-28/6	28	1.03	6	3.31	≤1.22m
HSPTC(N)-30/6	30	1.07	6	3.57	≤1.22m
HSPTC(N)-33/8	33	1.16	8	3.46	≤1.22m
HSPTC(N)-38/9	38	1.10	9	3.45	≤1.22m
HSPTC(N)-40/8	40	1.12	8	3.89	≤1.22m
HSPTC(N)-43/9	43	1.10	9	3.79	≤1.22m
HSPTC(N)-45/10	45	1.10	10	3.70	≤1.22m
HSPTC(N)-55/16	55	1.14	16	3.31	≤1.22m
HSPTC(N)-75/22	75	1.10	22	3.31	≤1.22m
HSPTC(N)-105/30	105	1.12	30	3.55	≤1.22m





## YHRSMST A HEAT SHRINKABLE MOULDED PARTS

Dual wall heat shrinkable tubing with adhesive liner provides waterproof sealing, insulation and environmental protection. Idea for outdoor electrical equipment and connections in wet and underground environments such as marine vessels, off-shore oil platforms, shipyard and harbor applications.

### Features and Benefits

- shrink ratio 4:1 at small end
- adhesive liner provides waterproof sealing against moisture, water, and other contaminants
- Excellent electrical insulation and strain relief
- Semi-rigid polyolefin provides abrasion resistance
- Can be easily installed directly onto the connector accessory thread
- Certified by China Classification Society (CCS)
- RoHS compliant
- Flame retardant meets the UL224 VW-1 standard

### Shrink Physical Properties

- Operating Temperature: -40°C to 90°C
- Shrink Temperature: 125°C

### Product Code Cross References

- Raychem/Tyco: 202A111 to 196

### Color Selection

- Black

## Technical Details

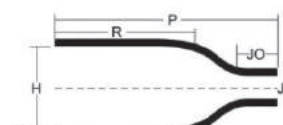
Test Item	Test Method	Typical Value
Expansion strength	ASTM D2671	≥10MPa
Breakdown elongation	ASTM D2671	≥350%
Expansion strength after aging	Tensile strength ASTM D2671	≥10MPa
Breakdown elongation after aging	Breakdown elongation ASTM D2671	≥300%
Dielectric strength	ASTM D2671	≥14Kv/mm
Flame retardant	UL 224	VW-1
Water absorption	ASTM D570	≤0.5%
Peel off strength to PEX	ASTM D2671	≥30N/cm
Peel off strength to steel	ASTM D2671	≥30N/cm

## Product Selection

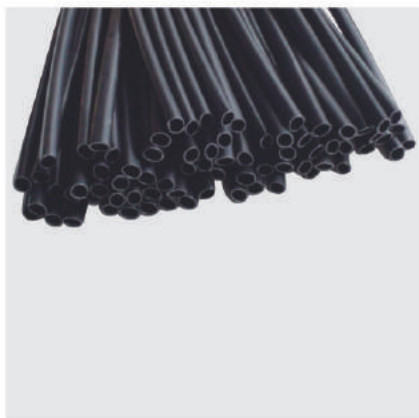
Product Code	Cross Reference No	Before Shrink		After Shrink (unrestricted)					
		H (a)	J (mm)	H	J	P ± 20%	R ± 20%	JO ± 20%	JO ± 10%
B0	202A111	16.5	16.5	8.5	4	25	14	6	1.5
B1	202A121	24.6	24.6	10	6	35	20	10	1.6
B2	202A132	28.4	28.4	15	7	50	25	15	1.8
B3	202A142	31.0	31.0	19	8	65	35	20	1.8
B4	202A153	36.1	36.1	23	9	90	45	35	1.8
B5	202A163	42.7	42.7	29	10	100	55	35	2.0
B6	202A174	60.0	60.0	38	16	120	60	40	3.3
B7	202A185	66.0	66.0	45	20	135	80	40	3.3
B8	202A196	86.4	86.4	59	28	170	95	55	3.3



a. As supplied (before shrink)



b. After shrink (unrestricted)



## GTG THE RAILWAY EXCLUSIVE HEAT SHRINK TUBING

mainly used in electric railway thread steel insulated protection, this product has high breakdown strength and tensile strength characteristics. Good weatherability and good aging resistance, moreover, it is also a kind of environmental friendly product.

### ordering

subscription note colors, specifications, package length, unspecified by company factory packaging standard, the company provides a free way to trim, crop used computer micro-cutting technology.

### Technical Details

Specifications	Average Wall Thickness	Inside Diameter	Length
Φ20.0	1.0±0.1	Φ20.0	50±1,1000-2000
Φ22.5	1.0±0.1	Φ22.5	545±1,1000-2000
Φ23.0	1.0±0.1	Φ23.0	120±1,1000-2000

### Properties

Technical Data	Current Value	Test Method
Physical Property		
Raw Material	Modified polyethylene moderate lead-free and non-cadmium	IEC 62321
Surface	Smooth opaque	
Special Gravity	0.953g/cm <sup>3</sup>	ASTM-D 792, A-1
Thickness	1.0±0.1mm	
Shrinkage Ratio	2.3:1	
Longitudinal Changer	5%	ASTM-D 2671
Mechanical Property		
Tensile Strength	23mpa	IEC 60684-2
Elongation	670%	IEC 60684-2
Secant Coefficient	250mpa	ASTM-D 882
Thermal Property		
Heat Aging	At 158°C 168hours	UL 224
Tensile Strength	20mpa	
Elongation	480%	
Heat Shock	At 200°C 4hours	IEC 811-1-2
Cold Bend	-40°C no cracking	ASTM-D2671 CMETHOD
Flammability	Passed	FWVSS 302
Recovery Temperature	+125°C to +200°C	
Storage Temperature	Maximum +60°C	
Continuous Operation Temperature	-50°C to +135°C	
Chemical property		
Corrosion	No corrosion	ASTM-D 2671 A METHOD
Copper Stability	No corrosion	ASTM-D 2671B METHOD
Chemical Resisance	Good	
Water Absorption	0.2%	VDE 0472
Electrical Property		
Dielectric Strength	31kv/mm	VDE 0303 PART 2
Special Volume Resisitivity	10 <sup>14</sup> ω χ cm	VDE 0303 PART 3



## BPB BUSBAR PROTECTION BOX

Bus bridge installation using Bus-bar protection box, the exposed bridge position insulation protection, integrity can improve the bridge, can effectively improve the original blind area, more effective to insulation protection. Products can be broadly divided into: "-" type, "T" type, "L" type, any other custom shape.

### Color Selection

- Black, Red, Yellow, Blue, Green or Other color

### Technical Details

Test Item	Test Method	Typical Value
Tensile strength	ASTM D2671	≥12MPa
Thermal endurance	IEC 216	105°C
Accelerated aging at 136°C for 168hrs	Tensile strength	≥10MPa
	Breakdown elongation	≥300%
Dielectric strength	2mm/0.08inch wall	≥20Kv/mm
	2.5mm/0.10inch wall	≥17Kv/mm
Low temperature flexibility at -40°C for 4hrs	ASTM D2671	No cracking
Heat shock at 200°C for 4hrs	ASTM D2671	No drop/No flow
Volume resistivity	ASTM D2671	≥10 <sup>11</sup> Ω.cm
Water absorption at 23°C for 336hrs	ASTM D570	≤0.5%
Resistance to selected fluids at 23°C for 168hrs	Tensile strength	≥8MPa
	Breakdown elongation	≥250%
copper corrosion at 158°C for 168hrs	IEC60684-3	Pass
Long term aging at 120°C for 3000hrs	IEC 60684-2	≥175%
Color fastness to light	IEC60684-3	Compare between exposed and unexposed part: the color does not change

### Product Selection

Product Code	BUS-BAR			
	Width (CU)mm	Length (CU)mm	Shapes	Length (BPB)mm
1KV				For Example
BPB1-A-202-200	20	2	"_"	200
BPB1-B-202-200	20	2	"L"	200
BPB1-C-202-200	20	2	"T"	200
ANYONE	X	X	X	X
10KV				
BPB10-A-202-200	20	2	"_"	200
BPB10-B-202-200	20	2	"L"	200
BPB10-C-202-200	20	2	"T"	200
ANYONE	X	X	X	X
35KV				
BPB35-A-202-200	20	2	"_"	200
BPB35-B-202-200	20	2	"L"	200
BPB35-C-202-200	20	2	"T"	200
ANYONE	X	X	X	X



## SIS SILICON RUBBER INSULATION SHIELD

Silicon rubber insulation shield are made from the aging resistance of polymer material and silicon rubber imported has good toughness, strong hydrophobicity, anti-ultraviolet, suitable for electric power equipment of distribution transformer, lighting arrester, outdoor switch, bus bar wire end insulation safety protection, and can effectively prevent exposed electrical wiring end, due to various reasons causing the damage of electric power facilities and electric shock accidents.

Transformer tap cover a set of 7, three four, general connection mode and terminal equipment wire clamp. The user according to the transformer and line order, Transformer joint shield has a set of 10, three four three lighting protection.

### Features and Benefits

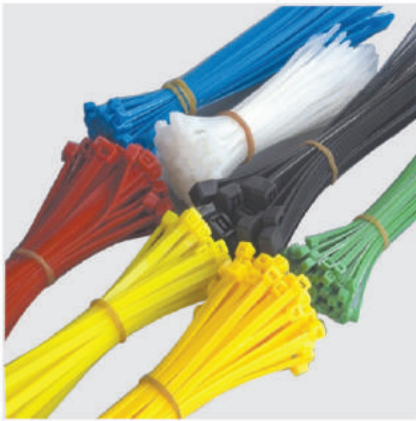
1. Effective insulation for short circuit accident caused by small animals
2. to prevent electrical accidents condensation flashover, pollution flashover, the icicle viscosity caused by snow product functions and advantages
3. to prevent the corrosion of acid rain, salt fog and harmful chemical gases of the transformer and line
4. avoid electrical contact pedestrian accidentally exposed to cause injury and death
5. cover and metering device of full closed operation can prevent lawbreakers steal
6. fastening structure, easy installation, can be used repeatedly

### Color Selection

- Red, Yellow, Green, Black,

### Product Performance

1. Products used in synthesis of high temperature vulcanized silicone rubber and become, will never change, high flexibility, tear resistance, product life of up to 50 years.
2. It has good insulation properties, insulation strength  $\geq 20\text{kv/mm}$ , volume resistivity  $\geq 10^{10}$
3. product design reasonably, convenient installation. Buckle disassembly and repeated use connection structure is convenient for maintenance.
4. product is resistant to high temperature, can be used in  $-60^{\circ}\text{C}-190^{\circ}\text{C}$ . UV resistance, hydrophobicity, excellent resistance to aging, meet the outdoor long-term operation.



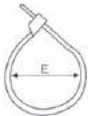
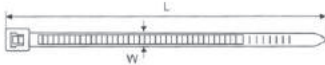
## NYLON CABLE TIE

Material: Nylon 66, 94V-2 certificated by UL, Heat-resisting, erosion control, insulate well and not apt to age.

Color: Natural ( or white, standard color ), UV black and other colors are available as requested.

### Product Selection

ITEM NO	L		W MM	BUNDLE DIAMETER MM	TENSILE STRENGTH	
	INCH	MM			LBS	KGS
HY-2.5×60	2.4"	60	2.5	2-11	18	8
HY-2.5×80	3.2"	80		2-16		
HY-2.5×100	4.0"	100		2-22		
HY-2.5×120	4.7"	120		2-30		
HY-2.5×150	6.0"	150		2-35		
HY-2.5×160	6.3"	160		2-40		
HY-2.5×200	8.0"	200		3-50		
HY-3.6×140	5.5"	140	3.6	3-33	40	18
HY-3.6×150	6.0"	150		3-35		
HY-3.6×180	7.1"	180		3-42		
HY-3.6×200	8.0"	200		3-50		
HY-3.6×250	10"	250		3-65		
HY-3.6×280	11"	280		3-70		
HY-3.6×300	12"	300		3-80		
HY-3.6×370	14.6"	370	3-105			
HY-4.8×120	4.7"	120	4.8	3-30	50	22
HY-4.8×160	6.3"	160		3-40		
HY-4.8×180	7.1"	180		3-42		
HY-4.8×190	7.5"	190		3-46		
HY-4.8×200	8.0"	200		3-50		
HY-4.8×250	10"	250		3-65		
HY-4.8×280	11"	280		3-70		
HY-4.8×300	12"	300		3-80		
HY-4.8×350	14"	350		3-90		
HY-4.8×360	14.2"	360		3-94		
HY-4.8×370	14.6"	370		3-98		
HY-4.8×380	15"	380		3-102		
HY-4.8×400	16"	400		3-105		
HY-4.8×430	16.9"	430		3-120		
HY-4.8×450	17.7"	450		3-130		
HY-4.8×500	19.7"	500	3-150			
HY-7.2×150	6.0"	150	7.2	3-35	120	55
HY-7.2×200	8.0"	200		3-50		
HY-7.2×250	10"	250		4-65		
HY-7.2×280	11"	280		4-78		
HY-7.2×300	12"	300		4-80		
HY-7.2×350	14"	350		4-90		
HY-7.2×370	14.6"	370		4-98		
HY-7.2×380	15"	380		4-100		
HY-7.2×400	16"	400		4-105		
HY-7.2×450	18"	450		4-110		
HY-7.2×500	20"	500		4-150		
HY-7.2×530	20.9"	530		4-160		
HY-7.2×550	21.6"	550		4-165		





## STAINLESS STEEL LOCK STEEL BALL TIES

### Standard and characteristic

Stainless steel cable technical feature brought to pitch accord with "electric equipment of boat", No. of IEC92, totally "is it mould with GB1113-85 metal cable is it bring to pitch to make" and "steel seagoing vessel enter magnitude and build norm" relevant regulation, Pitch and take the normal environment temperature of condition of work-25 degrees Centigrade-160 degrees Centigrade, 500N of pulling force, noumenonn material Cr18 Ni9. Suitable for tying up the cable in the internal and external places of the room, such as in the open, humidity, high temperature, etc., resist and rub, be anticorrosive, resis and radiate and fire prevention performance.

### Product Selection

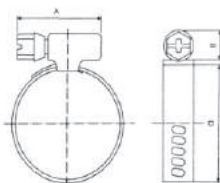
Specification	Specification	Specification
4.6 x 127	7.6 x 150	13 x 200
4.6 x 152	7.6 x 200	13 x 250
4.6 x 200	7.6 x 250	13 x 300
4.6 x 250	7.6 x 300	13 x 350
4.6 x 300	7.6 x 350	13 x 400
4.6 x 350	7.6 x 400	13 x 450
4.6 x 400	7.6 x 450	13 x 500
4.6 x 450	7.6 x 500	13 x 550
4.6 x 500	7.6 x 550	13 x 600
4.6 x 550	7.6 x 600	13 x 650
4.6 x 600	7.6 x 650	13 x 700
4.6 x 650	7.6 x 700	13 x 750
4.6 x 700	7.6 x 750	13 x 800
4.6 x 750	7.6 x 800	13 x 850
4.6 x 800	7.6 x 850	13 x 900
	7.6 x 900	13 x 950
	7.6 x 950	13 x 1000
	7.6 x 1000	13 x 1050
	7.6 x 1050	13 x 1100
	7.6 x 1100	13 x 1200

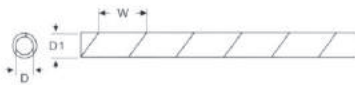


## ZD HOSE CLAMP

### Product Selection

USE range (mm)	Modelnc			Packing Size	A	B	D	Pressure resistance strength (Mpa/cm <sup>2</sup> )	Anti-torque valve (N.m)
	(L) 9mm Strip Width 9mm	(L) 12mm Strip Width 12mm	(L) 13mm Strip Width 13mm						
8-12	90012			100/2000	20	10	12	1.4	25-5
10-16	90016			100/2000	20	10	16	1.4	25-5
12-20	90020		130020	100/1000	20	10	20	1.4	25-5
12-22	90022		130022	100/1000	20	10	22	1.4	25-5
16-25	90025	120025	130025	100/1000	20	10	25	1.4	25-6
16-27	90027	120027	130027	100/1000	20	10	27	1.4	25-6
20-32	90032	120032	130032	100/1000	25	10	32	0.7	25-6
25-40	90040	120040	130040	100/1000	25	10	40	0.7	35-7
30-45	90045	120045	130045	100/1000	25	10	45	0.7	35-7
32-50	90050	120050	130050	100/1000	25	10	50	0.7	35-7
40-60	90060	120060	130060	100/1000	25	10	60	0.7	35-7
50-70	90070	120070	130070	50/500	25	10	70	0.7	35-7
60-80	90080	120080	130080	50/500	25	10	80	0.3	5-10
70-90	90090	120090	130090	50/500	25	10	90	0.3	5-10
80-100	900100	120100	130100	20/300	25	10	100	0.3	5-10
90-110	900110	120110	130110	20/300	25	10	110	0.3	5-10
100-120	900120	120120	130120	20/300	25	10	120	0.3	5-10
110-130	900130	120130	130130	20/300	25	10	130	0.3	5-10
120-140	900140	120140	130140	20/300	25	10	140	0.3	5-10
130-150	900150	120150	130150	20/300	25	10	150	0.3	5-10
140-160	900160	120160	130160	20/300	25	10	160	0.3	5-10





## SPIRAL WRAPPING BAND

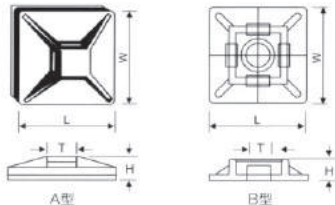
Material: Made from PE.

Usage: fix one end with safety belt first, then circle the wires clockwise to make them tighter.

Application: a protection wear for electric wires, and make them insulation and look nice.

### Product Selection

ITEM NO	D	D1	W	WRAPPING RANGE (mmΦ)	PACKAGES (M/ROLL)
HY-6	4	6	7.0	4 × 50	10m
HY-8	6	8	10.8	6 × 60	
HY-10	7.5	10	11.4	7.5 × 60	
HY-12	9	12	13.9	9 × 65	
HY-16	13	16	15.0	12 × 70	
HY-20	16	20	18.2	15 × 100	
HY-25	21	25	19.6	20 × 130	



## CABLE TIE MOUNTS

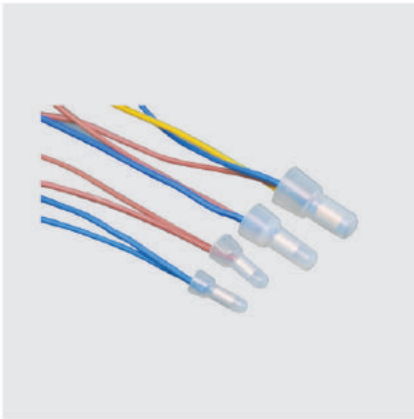
Material: UL approved Nylon 66, 94V-2, with imported adhesive sticker, Good insulation, long lasting and uneasy to age.

How to use: Remove the cover of the adhesive and stick the piece properly, then put in cable tie for using.

Application: Used where hole-drilling is not allowed, easy and time-saving.

### Product Selection

ITEM NO	L × W (MM)	(MM)	(MM)	(CM)	PCS/CTN	KG
HYA-20	20 × 20	6.1	5.0	52 × 35 × 36	20000	20/18
HYA-25	25 × 25	7.5	6.2	52 × 35 × 36	10000	19/17
HYA-30	30 × 30	8.7	6.4	54 × 33 × 32	6000	18/16
HYA-40	40 × 40	6.4	10.8	54 × 33 × 32	3000	17/15
HYB-25	25 × 25	7.5	6.2	52 × 35 × 36	10000	19/17
HYB-30	30 × 30	8.7	6.4	54 × 33 × 32	6000	18/16

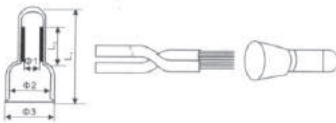


## NYLON CLOSE-END WIRING CONNECTOR HY-(3-8)

Material: Silver-coated copper piece covered by UL Approved Nylon or PE.  
 How to use: put in the bare wire end into the cap and press with clipper.  
 Application: Wire joining.

### Product Selection

ITEM NO	HT-Φ3	HT-Φ4	HT-Φ5	HT-Φ6	HT-Φ8
Φ1	3	3.15	3.66	4.66	5.7
Φ2	7.3	8	8.5	10	12.5
Φ3	9	9.75	10.5	12	14.7
L1	19.5	20.4	22.5	25.2	26
L2	6.5	6.5	7.5	7.8	8.8



## WIRE CONNECTORS

Material: PVC, threaded, Heat-resistant and insulating.  
 How to use: put the joint of two wires into the cap and screw it in until it is tight. will secure the cable.  
 Application: Wire joining.

### Product Selection

ITEM NO	A(mm)	B(mm)	C(mm)	Approx Wire Size	Std, PKg.
HY-P1	14.9	8.6	4.0	Min. 2 piece# 18 line	100PCS or 1000PCS
				Max. 3 piece# 18 line	
HY-P2	17.8	10.7	4.0	Min. 2 piece# 18 line	
				Max. 3 piece# 18 line	
HY-P3	21.9	10.8	4.48	Min. 2 piece# 18 line	100PCS or 500PCS
				Max. 3 piece# 18 line	
HY-P4	24.6	12.8	6.1	Min. 2 piece# 18 line	
				Max. 3 piece# 18 line	
HY-P5	30.1	15.3	7.0	Min. 2 piece# 18 line	100PCS or 500PCS
				Max. 3 piece# 18 line	



## BUSBAR INSULATOR

Operating Temperature :-40°C-140°C  
 Material: BMC (Bough moulding compound)  
 SMC (Sheet moulding compound)

Colour insert material in capability  
 accordance with customer needs

### Product Selection

Model	Tensile strength (1bs)	Tongue strength (ft 1bs)	Voltage withstand (kv)	Screw (mm)	Weight (g)
SM-25	500	6	6	6	28
SM-30	550	8	8	8	44
SM-35	600	10	10	8	50
SM-40	650	10	12	8	86
SM-51	1000	20	15	8	83
SM-76	1500	40	25	10	233





## TERMINAL BLOCKS

Terminal blocks:H,U(W),V(F)TYPE  
Material:made from PA,PE OR PP.

### Product Selection

ITEM NO	L	A	H	M	B	mm <sup>2</sup>	VOLT	AMP	PACKING
HY-3A	93	16	12	6	8	4	400V	3A	10PCS
HY-6A	115	15.7	13	6.5	9.5	6	400V	6A	
HY-10A	126	20.2	15.5	8.4	10.5	10	400V	10A	
HY-15A	139	23	17.7	10.3	12	12	400V	16A	
HY-20A	155	25	19.2	11.5	13.5	14	400V	20A	
HY-30A	171	26	20.5	12	14.5	16	400V	30A	
HY-60A	192	30	26	13.5	16.5	25	400V	60A	
HY-80A	205	33	27	15	17	35	400V	80A	
HY-100A	250	46	31	22	21	40	400V	100A	



## INSULATIVE BUSHING

Material:Made from PVC.

Usage:devide the colorful cable in machine,used to various terminals as soft feature, easy to take off.

Charcter:clearly color,shine,soft,insulated.

### Product Selection

Model	Suitable terminal SQ(mm)	Size		Package
		D1(mm)	D2(mm)	
V-1.25	1.25	3.3	3.1	100PCS
V-2	2	4.5	3.7	
V-3.5	3.5	5.7	4.1	
V-5.5	5.5	5.7	5.2	
V-8	8	7.2	6.2	
V-14	14	10.0	8.0	
V-22	22	12.0	9.5	
V-38	38	14.0	11.8	
V-60	60	16.8	13.5	
V-80	80	19.0	16.0	
V-100	100	22.0	18.0	50PCS
V-125	125	24.0	20.0	
V-150	150	24.4	22.0	
V-200	200	32.0	24.0	
V-250	250	38.0	26.5	
V-325	325	38.0	29.0	25PCS
V-400	400	44.0	37.0	
V-500	500	45.0	40.4	
V-630	630	52.0	45.0	





## ECM-TYPE WIRE MARKERS

Material: Soft, PVC, concave conversed shape, no. code in, sleeve, elasticity of in-diameter.  
 How to use: Peel each hack lightly  
 Feature: Suitable any size, special length and marking is available to order.

### Product Selection

ITEM NO	SUITABLE WIRE	IN-DIAMETER	LENGTH	NO	PACKING
EC-0	18AWG 16AWG 0.75	2.0-3.0	3.5	0.9 A-Z +,-,÷	1000PCS
EC-1	0.75 1.25 2.0 3.0	3.0-5.2	4.0		1000PCS
EC-2	3.5 5.5 8.0	3.6-7.4	5.0		500PCS
EC-3	8.0 14.0 22.0	5.2-10.0	5.0		250PCS



## CARRIER MARKER STRIPS

Material: Nylon PA66, 94-2 certificated by UL, insulate well and not apt to age.  
 Construction: In order to rectangular bar, both ends of each hole.

### Product Selection

ITEM NO		LENGTH	PACKING
(White)	(Black)		
MS-65	MS-65	66	100PCS
MS-100	MS-100	103	
MS-135	MS-135	135	

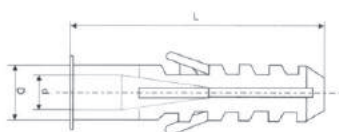


## EXPAND NAILS

Material: made from PE.  
 Color: White, Grey

### Product Selection

ITEM NO	L (mm)	D (mm)	D (mm)	PACKING
EN-05	27	5.4	3.5	100PCS
EN-06	30	6.0	4	
EN-07	35	7	5.1	
EN-08	40	8	6	
EN-10	45	10	7.3	
EN-12	49	11.6	7.6	
EN-14	14.2	14	10.3	





## CIRCLE CABLE CLIPS

PE,elasticity,shock resisting.Inserting type,nail attached in clips,Save time and cost.

### Product Selection

Model	Height H(mm)	Diameter D(mm)	Nail Spec. (Mm)	Color
HY-R-3	3.6	3.0	1.4X15	White
HY-R-3.5	4.2	3.5	1.47X14	
HY-R-4	5.3	4.0	1.7X14	
HY-R-5	6.0	5.0	1.7X14	
HY-R-6	8.0	6.0	1.82X16	
HY-R-7	8.7	7.0	1.82X18	
HY-R-8	9.5	8.0	1.95X19	
HY-R-9	11.0	9.0	2.05X22	
HY-R-10	12.0	10.0	2.1X23	
HY-R-12	13.5	12.0	2.2X25	
HY-R-14	16.5	14.0	2.3X30	
HY-R-16	18.0	16.0	2.35X32	
HY-R-17	20.0	17.0	2.6X38	
HY-R-18	20.5	18.0	2.6X38	Black
HY-R-20	22.5	20.0	2.7X40	
HY-R-22	23.5	22.0	2.9X43	
HY-R-25	26.5	25.0	3.1X50	
HY-R-30	32.5	30.0	3.5X55	
HY-R-32	34.5	32.0	3.5X55	
HY-R-35	38.0	35.0	3.5X60	
HY-R-40	43.8	40.0	3.5X65	



## FLAT CABLE CLIPS

PE,elasticity,shock resisting.Inserting type,nail attached in clips,Save time and cost.

### Product Selection

Model	Height H(mm)	Type		Nail Spec. (Mm)	Color
		A	B		
HY-F-2.5mm	3.5	2.0	2.5	1.4X15	White
HY-F-4mm	5.5	3.5	4	1.7X14	
HY-F-5mm	5.5	3.5	5	1.7X14	
HY-F-6mm	6.0	4.1	6	1.7X16	
HY-F-7mm	6.5	4.7	7	1.9X16	
HY-F-8mm	7.0	5.0	8	2.1X19	
HY-F-9mm	8.0	5.4	9	2.1X20	
HY-F-10mm	8.0	5.6	10	2.3X21	
HY-F-12mm	8.5	5.6	12	2.3X23	
HY-F-14mm	10.0	7.0	14	2.3X23	
HY-F-18mm	12.5	8.5	18	2.6X27	
HY-F-19mm	14.0	10.5	19	2.6X27	
HY-F-19mm	14.0	10.5	19	2.6X27	Brown
HY-F-19mm	14.0	10.5	19	2.6X27	



## NYLON CABLE GLAND

Material:UL Nylon 6/6;neoprene for seal insert,with nut

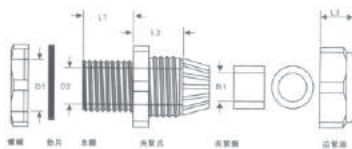
Color:Black,gray,light gray.

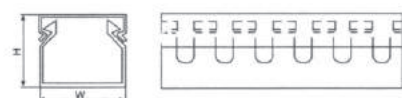
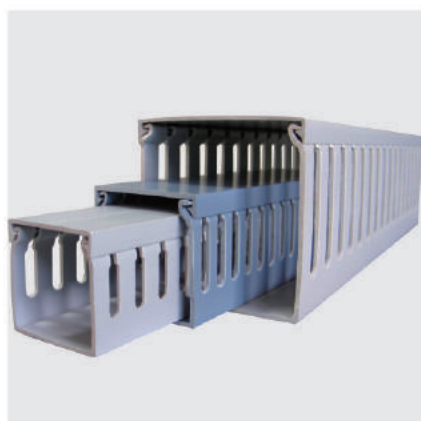
Protector:IP68

Temp,Resestance:-30°C to 80°C; short time 140°C suggested clearance hole for non threaded mounting.

### Product Selection

TYPE	D1	D1	PITCH	D2	B1	L1	L2	L3	CABLE RANGE	PACKING	
HY-7	PG-7	12.1	1.5	8.0	6.0	8.0	12.8	13.4	3.5-6	50PCS	
HY-9	PG-9	14.3		9.9	7.0	8.1	13.9	15.2	4-8		
HY-11	PG-11	18.23		13.2	9.6	8.2	15.4	18.3	5-10		
HY-13.5	PG-13.5	19.9		15.2	11.7	8.9	15.8	18.9	6-12		
HY-16	PG-16	22.1		17.2	12.9	8.9	17.3	19.7	10-14		
HY-21	PG-21	27.5		22.4	16.5	10.8	18.6	23.9	13-18		
HY-29	PG-29	36.2		30.6	23.2	10.9	20.5	27.4	18-25		25PCS
HY-36	PG-36	46.7		35.2	33.3	14.4	24.4	30.5	22-32		10PCS
HY-42	PG-42	52.2		39.3	39.6	14.6	25.4	31.6	30-38		
HY-48	PG-48	57.6		45.4	45.1	15.8	25.2	31.3	34-44		





## INSULATING DISTRIBUTING SLOT

Material: Made from PVC (grey), good insulation and heat-resisting up to 85°C  
 structure: Made up of duct bottom and lid, with two out-holes designed at the bottom.

### Product Selection

TYPE	HXW(mm)	Contained wire (2.0)	LENGTH
PXC3-2015	20 x 15	5-10PCS	2m
PXC3-2025	20 x 25	5-15PCS	2m
PXC3-2525	25 x 25	10-20PCS	2m
PXC3-3015	30 x 15	5-15PCS	2m
PXC3-3020	30 x 20	10-20PCS	2m
PXC3-3025	30 x 25	15-25PCS	2m
PXC3-3030	30 x 30	20-40PCS	2m
PXC3-3035	30 x 35	30-45PCS	2m
PXC3-3045	30 x 45	40-55PCS	2m
PXC3-3530	35 x 30	30-45PCS	2m
PXC3-3535	35 x 35	35-50PCS	2m
PXC3-3540	35 x 40	50-60PCS	2m
PXC3-4025	40 x 25	20-25PCS	2m
PXC3-4030	40 x 30	35-45PCS	2m
PXC3-4040	40 x 40	60-70PCS	2m
PXC3-5015	50 x 15	10-25PCS	2m
PXC3-5025	50 x 25	25-45PCS	2m
PXC3-5030	50 x 30	30-50PCS	2m
PXC3-5035	50 x 35	50-60PCS	2m
PXC3-5040	50 x 40	60-70PCS	2m
PXC3-5045	50 x 45	70-80PCS	2m
PXC3-5050	50 x 50	80-90PCS	2m
PXC3-5055	50 x 55	100-110PCS	2m
PXC3-5080	50 x 80	180-200PCS	2m
PXC3-50100	50 x 100	210-260PCS	2m
PXC3-8045	80 x 45	160-180PCS	2m
PXC3-8050	80 x 50	180-200PCS	2m
PXC3-8055	80 x 55	180-210PCS	2m
PXC3-8080	80 x 80	240-290PCS	2m
PXC3-80100	80 x 100	260-350PCS	2m
PXC3-100100	100 x 100	300-400PCS	2m



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