

Heat shrink sleeves and sheaths

The retractable sheaths below were selected as the best compromise for applications in common heating cables.

Single wall crosslink polyolefin heat shrink sleeve

The single-wall sleeves provide electrical insulation, but no protection against liquid penetration. When shrinking, it is important not to exceed the temperature of destruction of the sheath or of the insulation of the heating wire (refer to the values provided by the manufacturers). See page 115 for implementation.



Dia 4.8 mm



Dia 12.7 mm

Insulation voltage: 600V

Flame Class UL: VW1

Shrink ratio: 3:1

Minimum temperature to reach the shrink ratio 3: 100°C

Temperature resistance: 125°C continuous

Composition: Rohs and Reach compliant

Reference	Dimensions before shrinkage	Marking
6YTGANL0S0480030	4.8 mm x 30 mm**	Black sleeve L marking
6YTGANN0S0480030	4.8 mm x 30 mm**	Black sleeve L marking
6YTGAN00S0482000	4.8mm, 20m roll	Black, no marking
6YTGAV00S0480030	4.8 mm x 30 mm**	Green sleeve
6YTGAV00S0482000	4.8mm, 20m roll	Green, no marking
6YTGAN00S1270050	12, 7 mm x 50 mm*	Black, no marking
6YTGAN00S1272000	12,7 mm, 20m roll	Black, no marking

* Allows to bring together two or three crimped conductors in a same protection sleeve.

** 100 pieces bag

Note: using heat shrink sleeves does not provide any sealing.

Double wall crosslink polyolefin heat shrink sleeve.

The double-walled sleeves provide electrical insulation and some protection against the liquid penetration, depending greatly on the conditions of implementation. When shrinking, it is important not to exceed the temperature of destruction of the sheath or of the insulation of the heating wire (refer to the values provided by the manufacturers). Upon heating of the sleeve, the inner part will liquefy while the outer part shrinks and press the liquefied part against the cable and accessories. See page 115 for implementation.



Dia 4.8 mm



Dia 12.7 mm

Insulation voltage: UL 600V,

Flame Class UL: VW1

Shrink ratio: 3:1

Minimum temperature to reach the shrink ratio 3: 110°C

Temperature resistance: 125°C continuous

Composition: Rohs and Reach compliant

Dimensions before shrinkage: dia 4,8 length 30 mm or dia 12,7 length 50 mm.

Reference	Dimensions before shrinkage	Marking
6YTGANL0D0480030	4.8 mm x 30 mm**	Black sleeve L-F marking
6YTGANN0D0480030	4.8 mm x 30 mm**	Black sleeve N-F marking
6YTGAN00D0482000	4.8mm, 20m roll	Black, no marking
6YTGAV00D0480030	4.8 mm x 30 mm**	Green sleeve, F marking
6YTGAV00D0482000	4.8mm, 20m roll	Green, no marking
6YTGAN00D1270050	12.7 mm x 50 mm*, **	Black, F marking
6YTGAN00D1272000	12.7 mm, 20m roll	Black, No marking

* Allows to bring together two or three crimped roll conductors in a same protection sleeve.

** 100 pieces bag

Note: using heat shrink sleeves provides a better sealing against water penetration and a better mechanical support though a perfect sealing is not guaranteed, especially if they are used on an unsleeved metal braid or when the shrinkage is poorly done.

Example of heat shrink sleeve protection



Lead insulation



Several conductors reworked



Insulation of heating cable end (the sleeve is pinched hot then cut)

Because of permanent improvement of our products, drawings, descriptions, features used on these data sheets are for guidance only and can be modified without prior advice

