

SILIFLON® 6Y6YS and E6Y6YS

Double insulating layer
VDE approval
-90 °C to +180 °C



Approvals - standards

- VDE approval as per standard DIN VDE 0250 Part 106 - Licence no. 40001865.

Applications

- Cabling for class 2 light fittings, household electrical appliances, electronics, etc.
- Cabling in hot or cold environments (cryogenics).
 - Cabling in aggressive environments (humidity, chemicals, etc.).
 - Cabling in the medical field.
 - Cabling requiring compact size and excellent mechanical strength.

Options

- Nickel-plated copper core – ref. CN6Y6YS: contact us.
- Silver-plated copper core – ref. A6Y6YS: contact us.
- Solid bare (ref. R6Y6YS) or tin-plated (ref. RE6Y6YS) copper core: See details of the option below.

Characteristics

General

- Continuous operating temperatures:
 - > Bare copper core: -90 °C to +130 °C.
 - > Tin-plated, nickel-plated or silver-plated copper core: -90 °C to +180 °C.
- Excellent resistance to aggressive chemical environments.
- Excellent resistance to humidity and UV.
- Excellent mechanical strength.

Electrical

- Rated voltage: 300/500 V.
- Test voltage: 2000 V.

Standard products

- All solid colours.



- Multistrand bare (ref. 6Y6YS) or tin-plated (ref. E6Y6YS) copper core.
- Insulation: Fluorinated polymer FEP.

6Y6YS and E6Y6YS

MULTISTRAND CORE				INSULATED WIRE		
Nominal cross-section		Nominal stranding	Maximum linear resistance at 20 °C	Nominal thickness of insulation	Nominal diameter	Approximate linear weight
AWG	(mm ²)		(Ω/km) (tin-plated copper core)	(mm)	(mm)	(kg/km)
24	0.25	19 x 0.13	82.9	0.60	1.85	7.3
22	0.34	7 x 0.25	60.6	0.60	1.95	8.5
-	0.38	19 x 0.16	55.7	0.60	2.0	9.1
-	0.5	16 x 0.20	40.1	0.60	2.1	10.5
-	0.5	7 x 0.30	36.7	0.60	2.1	10.5
20	0.6	19 x 0.20	33.7	0.60	2.15	11.4
18	0.75	24 x 0.20	26.7	0.60	2.25	13.8
-	0.93	19 x 0.25	21.6	0.60	2.4	15.4
-	1	32 x 0.20	20.0	0.60	2.45	17.2
16	1.34	19 x 0.30	15.0	0.60	2.6	20.2
-	1.5	30 x 0.25	13.7	0.60	2.65	21.7
Option • R6Y6YS and RE6Y6YS						
SOLID CORE						
-	0.25	1 x 0.56	74.8	0.60	1.75	6.9
-	0.5	1 x 0.80	36.7	0.60	2.0	10.2
-	0.75	1 x 0.98	24.8	0.60	2.2	13.3
-	1	1 x 1.13	18.2	0.60	2.35	16.2
-	1.5	1 x 1.38	12.2	0.60	2.6	21.7

For this product, please contact:

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LES CABLES DE L'EXTREME

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