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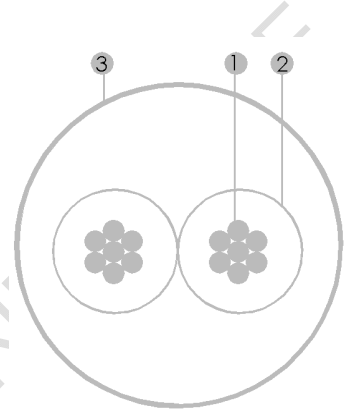
TECHNICAL DATA SHEET



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FR5FOEI4 COLOR - 40 ÷ 90°C



SCHEMATIC DRAWINGS



APPLICAZIONI APPLICATIONS

Cavi con isolamento in fluoro termoplastico e guaina in speciale gomma EI4 per cablaggi di faretti, lampade LED, sensori ed in generale per qualunque applicazione ove si richieda resistenza sia alle basse che alte temperature ed idoneo per impiego all'esterno. Guaina realizzabile in vari colori RAL.

Fluorinated-thermoplastic insulated cables with special EI4 rubber outer sheath that are intended for wiring and interconnection of LED spot lights and lamps, sensors and for all applications where a resistance both low and high temperature and outdoor use are required. Many RAL colors are available for the outer sheath.

COSTRUZIONE

CABLE STRUCTURE

1. Conduttore flessibile di rame elettrolitico stagnato.
Flexible electrolytic tinned copper conductor
2. Isolamento FEP R5F con elevata resistenza al calore.
R5F FEP insulation with high heat resistance.
3. Guaina in speciale gomma EI4.
Special rubber EI4 outer sheath.

Temperatura utilizzo
Temperature range



- 40 ÷ 90 °C
- 40 ÷ 180 °C
(only on inner cores)

Tensione di esercizio
Rated voltage



450/750 V_{ac}

Tensione di prova
Test voltage



2500 V_{ac}

Idoneo per immersione in acqua
Suitable for water immersion



up to 40°C

Raggio di curvatura
Bending radius



≥ 8 x D
(@ fixed installation)

Idoneo per posa esterna
Suitable for outdoor use



Idoneo per posa fissa
Suitable for fixed installation



Esente da zolfo
Sulphure free



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2.0

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UTC

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In order to improve our products, the information contained in this technical data sheet can be changed without notice. Please check periodically with our offices date and number of the revision.



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Sezione <i>Size conductor</i> [mm ²]	Formazione conduttore <i>Conductor stranding</i> [N° x mm]	Resistenza elettrica <i>Electrical resistance</i> [Ω/Km]	Diametro su isolamento <i>Diameter on insulation</i> [mm]	Spessore di isolamento <i>Radial thickness of insulation</i> [mm]
0.25	19 x 0.127	≤ 86.0	1.05 ± 0.05	≥ 0.20
0.35	7 x 0.254	≤ 46.0	1.20 ± 0.05	≥ 0.20
0.50	19 x 0.180	≤ 40.1	1.35 ± 0.05	≥ 0.20
0.75	19 x 0.223	≤ 26.7	1.55 ± 0.05	≥ 0.20
1	19 x 0.254	≤ 20.0	1.70 ± 0.05	≥ 0.20
1.5	19 x 0.320	≤ 13.7	2.10 ± 0.05	≥ 0.25
2.5	19 x 0.410	≤ 8.21	2.55 ± 0.05	≥ 0.25
4	52 x 0.300	≤ 5.09	3.1 ± 0.1	≥ 0.30

Sezione <i>Size conductor</i> [mm ²]	Diametro esterno <i>Outer diameter</i> [mm]	Spessore guaina <i>Thickness of jacket</i> [mm]
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2 x 0.25	(4.3 ± 0.2)	≥ 1.1
2 x 0.35	(4.6 ± 0.2)	≥ 1.1
2 x 0.50	(5.3 ± 0.2)	≥ 1.2
2 x 0.75	(5.5 ± 0.2)	≥ 1.2
2 x 1	(5.9 ± 0.2)	≥ 1.2
2 x 1.5	(6.8 ± 0.2)	≥ 1.3
2 x 2.5	(7.7 ± 0.2)	≥ 1.3
2 x 4	(8.9 ± 0.2)	≥ 1.3

Sezione <i>Size conductor</i> [mm ²]	Diametro esterno <i>Outer diameter</i> [mm]	Spessore guaina <i>Thickness of jacket</i> [mm]
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3 x 0.25	(4.5 ± 0.2)	≥ 1.1
3 x 0.35	(4.8 ± 0.2)	≥ 1.1
3 x 0.50	(5.5 ± 0.2)	≥ 1.2
3 x 0.75	(5.8 ± 0.2)	≥ 1.2
3 x 1	(6.1 ± 0.2)	≥ 1.2
3 x 1.5	(7.2 ± 0.2)	≥ 1.3
3 x 2.5	(8.1 ± 0.2)	≥ 1.3
3 x 4	(9.3 ± 0.2)	≥ 1.3

N.B : Sono disponibili anche costruzioni con sezioni diverse da quelle sopra elencate, incluse costruzioni con sezioni miste.

On request, conductor cross-sections different from those ones above listed are also available, included hybrid constructions.

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