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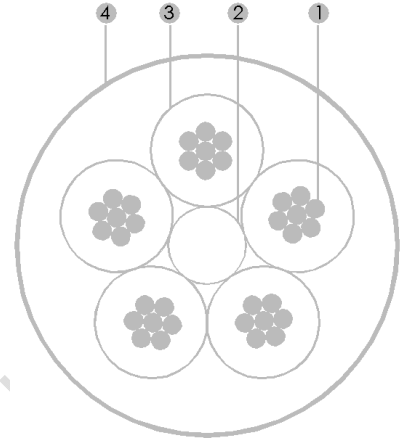
TECHNICAL DATA SHEET



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Cavi trasparenti FR5FOR105 FR5FOR105 transparent cables



SCHEMATIC DRAWINGS



APPLICAZIONI APPLICATIONS

Cavo flessibile trasparente con anime isolate in FEP e guaina in PVC, idoneo per cablaggio interno di apparecchiature e dispositivi elettronici.

Transparent PVC jacketed cable with FEP insulated inner cores that is intended for internal wiring of electronic equipment and appliances.

COSTRUZIONE

CABLE STRUCTURE

1. Conduttore flessibile a corda concentrica in rame elettrolitico stagnato.
Flexible concentric electrolytic tinned copper conductor
2. Isolamento in FEP trasparente
Transparent FEP insulation
3. Riempitivo centrale in PVC [per cavi a 5 anime]
Central PVC filler [only for 5-core cables]
4. Guaina in PVC trasparente 105°C
Transparent 105°C rated outer sheath

Temperatura utilizzo
Temperature range



- 20 ÷ 105 °C
[@ fixed installation]
- 20 ÷ 180 °C
[@ on inner cores]

Tensione di esercizio
Rated voltage



300/500 V_{AC}

Tensione di prova
Test voltage



2000 V_{AC}

Resistenza alla fiamma
Flame resistance



IEC 60332-1-2

Idoneo per posa fissa
Suitable for fixed installation



Raggio di curvatura
Bending radius



≥ 12 x D
[@ fixed installation]

Idoneo per posa interna
Suitable for indoor use



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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]
0.50	19 x 0.180	≤ 40.1	1.30 ± 0.05	≥ 0.20
0.75	19 x 0.224	≤ 26.7	1.55 ± 0.05	≥ 0.20
1	19 x 0.254	≤ 20.0	1.65 ± 0.05	≥ 0.20
1.5	19 x 0.320	≤ 13.7	2.1 ± 0.1	≥ 0.25
2.5	19 x 0.410	≤ 8.21	2.55 ± 0.1	≥ 0.25

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 0.50	(4.3 ± 0.2)	≥ 0.85
3 x 0.50	(4.3 ± 0.2)	≥ 0.75
4 x 0.50	(4.7 ± 0.2)	≥ 0.75
5 x 0.50	(5.0 ± 0.2)	≥ 0.75
6 x 0.50	(5.3 ± 0.2)	≥ 0.75
7 x 0.50	(5.3 ± 0.2)	≥ 0.75

2 x 0.75	(4.9 ± 0.2)	≥ 0.90
3 x 0.75	(4.9 ± 0.2)	≥ 0.75
4 x 0.75	(5.2 ± 0.2)	≥ 0.70
5 x 0.75	(5.7 ± 0.2)	≥ 0.75
6 x 0.75	(6.7 ± 0.2)	≥ 1.0
7 x 0.75	(6.7 ± 0.2)	≥ 1.0

2 x 1	(5.4 ± 0.2)	≥ 1.0
3 x 1	(5.4 ± 0.2)	≥ 0.85
4 x 1	(5.6 ± 0.2)	≥ 0.75
5 x 1	(6.3 ± 0.2)	≥ 0.85
6 x 1	(6.8 ± 0.2)	≥ 0.85
7 x 1	(6.8 ± 0.2)	≥ 0.85

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 1.5	(5.9 ± 0.2)	≥ 0.85
3 x 1.5	(5.9 ± 0.2)	≥ 0.65
4 x 1.5	(6.7 ± 0.2)	≥ 0.80
5 x 1.5	(7.4 ± 0.2)	≥ 0.85
6 x 1.5	(8.1 ± 0.2)	≥ 0.90
7 x 1.5	(8.1 ± 0.2)	≥ 0.90

2 x 2.5	(6.7 ± 0.2)	≥ 0.80
3 x 2.5	(7.3 ± 0.2)	≥ 0.90
4 x 2.5	(8.2 ± 0.2)	≥ 1.0
5 x 2.5	(8.9 ± 0.2)	≥ 1.0
6 x 2.5	(10.1 ± 0.2)	≥ 1.1
7 x 2.5	(10.1 ± 0.2)	≥ 1.1

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Riferimento normativo <i>Standard reference</i>	Direttiva Europea Bassa Tensione No. 2014/35/UE <i>Low Voltage European Directive No. 2014/35/EU</i>
Conduttore <i>Stranding of conductor</i>	Conduttore flessibile a corda concentrica in rame elettrolitico stagnato, conforme alla norma CEI 20-51. <i>Flexible concentric electrolytic tinned copper conductor complying with CEI 20-51 requirements.</i>
Isolamento <i>Insulation</i>	FEP (Fluoro-Etilene-Propilene) tipo R5F secondo norma CEI 20-51 <i>FEP (Fluoro-Ethylene-Propylene) R5F type according to CEI 20-51 requirements</i>
Colore isolamento <i>Color of insulation</i>	Trasparente, oppure polarizzato con riga colorata estrusa in FEP o con filo colorato in fibra di vetro. <i>Transparent , or polarized by means a FEP extruded line or colored fiber-glass thread.</i>
Riunitura <i>Cable assembly</i>	Anime trecciate tra loro, o su richiesta, anime parallele <i>Inner cores twisted together or , on request , parallel lay cores.</i>
Guaina esterna <i>Outer sheath</i>	PVC 105 °C, durezza [87 ± 2] Sh-A <i>105°C PVC, hardness : [87 ± 2] Sh-A</i>
Colore guaina <i>Color of sheath</i>	Trasparente <i>Transparent</i>
Marchatura a inchiostro <i>Ink printing</i>	SALCAVI TECHNIC SPA ITALY - FR5FOR105 300/500V - ANNO <i>SALCAVI TECHNIC SPA ITALY - FR5FOR105 300/500V - YEAR</i>

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