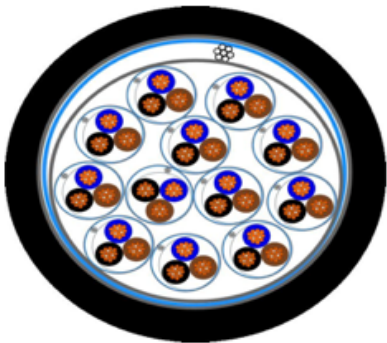


CPR cable - INSTRUMENTATION CABLES

IDENTIFICATION AND REACTION TO FIRE

FS17XHOHR16 - 450/750 V - TRIAD
Cca-s3,d1,a3



DRAWING IS ONLY ILLUSTRATIVE

CABLE CONSTRUCTION AND SPECIFICATIONS

CONDUCTOR	Material	Flexible annealed bare copper cl.5
INSULATION	Material	Fire retardant thermoplastic compound S17 PVC-based (S17 quality)
	Colors	On request
PRIMARY CABLING	Type	Cores are twisted in triad with optimal lay length
PAIR SCREEN	Material	Al/polyester tap, Al in continuous contact with stranded tinned copper cl.2 - 0,5 mm2 + Polyester tape
TOTAL CABLING	Type	Triads are cabled together with optimal lay length
TOTAL SCREEN	Material	Al/polyester tape, Al in continuous contact with stranded tinned copper cl.2 - 0,5 mm2 + Polyester tape
SHEATH	Material	Fire retardant thermoplastic compound R16 PVC-based H.R. and O.R. suitable for CPR (R16/ST2 quality)
	Colors	On request

CHARACTERISTICS

Electrical:	Voltage rating	450/750 V
	Insulation resistance	≥ 100 MOhm x km
	Dielectric test cond/cond	3000 V a.c. x 10 min
Mechanical and Installation:	Min. bending radius	10 x Diam.
	Max operating temperature	70 °C
	Max short circuit temperature	160 °C

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DATASHEET

STANDARDS OR SPECIFICATIONS CONSTRUCTION

Conductors of insulated cables	CEI 20-29 (CEI EN 60228)	IEC 60228	EN 60228
Insulating, sheathing and covering materials for low-voltage energy cables (CPR)	CEI 20-11/0-1;V1	-	-
Multi-element metallic cables used in analogue and digital communication and control. Part 7: Sectional specification for instrumentation and control cables (where applicable)	CEI 46-143 (CEI EN 50288-7)	-	EN 50288-7

STANDARDS OR SPECIFICATIONS TEST

Test on electric and optical fibre under fire conditions Part 1-2: Test for vertical flame propagation for a single insulated wire or cable - Procedure for 1 kW pre-mixed flame	CEI 20-35/1-2 (CEI EN 60332-1-2)	IEC 60332-1-2	EN 60332-1-2
Common test methods for cables under fire conditions - Heat release and smoke production measurement on cables during flame spread test - Test apparatus, procedures, results	CEI 20-108 (CEI EN 50399)	-	EN 50399

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Special Electrical Cables

CPR cable - INSTRUMENTATION CABLES

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DATASHEET

IDENTIFICATION (*)	P/N	Max conductor resistance at 20°C	Nom. Under armour Ø	Nom. Outer Ø	Nom. Weight
		Ohm/km	mm	mm	kg/km
FS17XHOHR16 - 450/750 V - 6x3x1 mm2	8361	19,5	-	18,33	498
FS17XHOHR16 - 450/750 V - 12x3x1 mm2	8363	19,5	-	24,63	906
FS17XHOHR16 - 450/750 V - 6x3x1,5 mm2	8369	13,3	-	19,91	612
FS17XHOHR16 - 450/750 V - 12x3x1,5 mm2	8371	13,3	-	27,04	1143

(*) Any other identification on request. Please contact our technical department

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Special Electrical Cables

FOR.EL.IND S.p.A.

Via Europa, 6 - 24055 Cologno al Serio (BG - ITALY)

Phone + 39 035 899191 - Fax + 39 035 4819224

www.forelind.com E-mail: sales@forelind.com