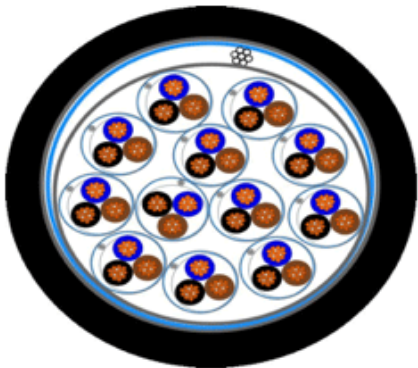


CPR cable - INSTRUMENTATION CABLES

IDENTIFICATION AND REACTION TO FIRE

FS17XOHR16 - 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
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
SHEATH	Material	Fire retardant thermoplastic compound R16 PVC-based H.R. and O.R. suitable for CPR (R16 quality)
	Colors	Grey, Black or Light blue

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

Issued: DT // Approved: QA

This is a part of our products range. For any technical information or change of cable type do not hesitate to contact our sales department.

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

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
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

IDENTIFICATION (*)	P/N	Max conductor resistance at 20°C Ohm/km	Nom. Under armour Ø mm	Nom. Outer Ø mm	Nom. Weight kg/km
FS17XOHR16 - 450/750 V - 1x3x1 mm2	8059	19,5	-	7,47	92
FS17XOHR16 - 450/750 V - 6x3x1 mm2	8063	19,5	-	16,73	442
FS17XOHR16 - 450/750 V - 12x3x1 mm2	8065	19,5	-	22,49	802
FS17XOHR16 - 450/750 V - 1x3x1,5 mm2	8068	13,3	-	8,03	112
FS17XOHR16 - 450/750 V - 6x3x1,5 mm2	8072	13,3	-	18,42	561
FS17XOHR16 - 450/750 V - 12x3x1,5 mm2	8074	13,3	-	24,75	1030

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

Issued: DT // Approved: QA

This is a part of our products range. For any technical information or change of cable type do not hesitate to contact our sales department.



FORELIND[®]

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