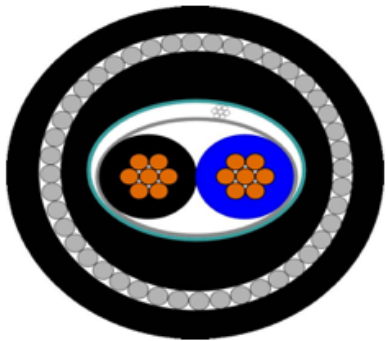


CPR cable - INSTRUMENTATION CABLES

IDENTIFICATION AND REACTION TO FIRE

FS17OHR16FR16 - 450/750 V -
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	Black numbered
TOTAL CABLING	Type	Cores 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 suitable for CPR (R16 quality)
	Colors	Natural
ARMOUR	Type	Wire armour with counter spiral tape
	Material	Galvanized steel wire 0,6 mm ≤ 30 mm under armour diameter Galvanized steel wire 0,9 mm ≥ 30 mm under armour diameter
SHEATH	Material	Fire retardant thermoplastic compound R16 PVC-based H.R. and O.R. suitable for CPR (R16 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	15 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
PVC insulated cables with rated voltages between 1 kV and 3 kV (applicable only for armour)	CEI 20-14	-	-

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
FS17OHR16FR16 - 450/750 V - 4X1,5 mm2	8710	13,3	8,66	13,34	356
FS17OHR16FR16 - 450/750 V - 7X1,5 mm2	8711	13,3	10,3	15,18	471
FS17OHR16FR16 - 450/750 V - 10X1,5 mm2	8712	13,3	12,63	17,71	613
FS17OHR16FR16 - 450/750 V - 12X1,5 mm2	8713	13,3	13,61	18,69	687
FS17OHR16FR16 - 450/750 V - 24X1,5 mm2	8714	13,3	18,07	23,37	1078
FS17OHR16FR16 - 450/750 V - 4X2,5 mm2	8715	7,98	30,32	15,2	465
FS17OHR16FR16 - 450/750 V - 7X2,5 mm2	8716	7,98	12,46	17,34	624
FS17OHR16FR16 - 450/750 V - 10X2,5 mm2	8717	7,98	15,17	20,25	821
FS17OHR16FR16 - 450/750 V - 12X2,5 mm2	8718	7,98	16,39	21,65	936
FS17OHR16FR16 - 450/750 V - 24X2,5 mm2	8719	7,98	22,05	27,55	1528

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

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