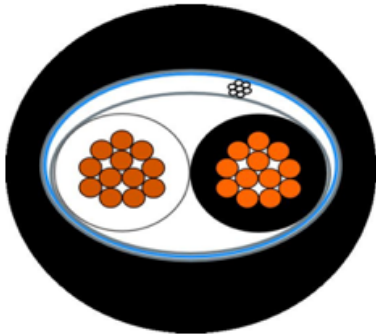


CPR cable - INSTRUMENTATION CABLES

IDENTIFICATION AND REACTION TO FIRE

FG16XOHM16 - 0,6/1 kV - PAIR
Cca-s1b,d1,a1



DRAWING IS ONLY ILLUSTRATIVE

CABLE CONSTRUCTION AND SPECIFICATIONS

CONDUCTOR	Material	Flexible annealed bare copper cl.5
INSULATION	Material	Crosslinked elastomeric compound type HEPR suitable for CPR (G16 quality)
	Colors	On Request
PRIMARY CABLING	Type	Cores are twisted in pair with optimal lay length
TOTAL CABLING	Type	Pairs are cbled together with optimal lay length
TOTAL SCREEN	Material	Al/polyester tap, Al in continuous contact with stranded tinned copper cl.2 - 0,5 mm2 + Polyester tape
SHEATH	Material	Halogen free thermoplastic compound suitable for CPR (M16 quality)
	Colors	On Request

CHARACTERISTICS

Electrical:	Voltage rating	600/1000 V
	Insulation resistance	≥ 5000 MOhm x km
	Dielectric test cond/cond	4000 V a.c. x 10 min
Mechanical and Installation:	Min. bending radius	10 x Diam.
	Max operating temperature	90 °C
	Max short circuit temperature	250 °C

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DATASHEET

STANDARDS OR SPECIFICATIONS CONSTRUCTION

Conductors of insulated cables	CEI 20-29 (CEI EN 60228)	IEC 60228	EN 60228
National annex to EN 50363-0: Insulating, sheathing and covering materials for low-voltage energy cables - Part 0: General Introduction	CEI 20-11/0-1;V1	-	-
Rubber insulated cables with rated voltages between 1 kV and 30 kV (where applicable)	CEI 20-13 PQA	-	-

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
Common test methods for cables under fire conditions - Test on gases evolved during combustion of materials from cables. Part 2-2: Procedures - Determination of degree of acidity of gases for cables by determination of the weighted average of pH and conductivity	CEI 20-37/2-3 (CEI EN 50267-2-3)	-	EN 50267-2-3
Smoke density: Test procedures	CEI 20-37/3-1 (CEI EN 61034-2)	IEC 61034-2	EN 61034-2 EN 50268-2

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Special Electrical Cables

CPR cable - INSTRUMENTATION CABLES

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IDENTIFICATION (*)	P/N	Max conductor resistance at 20°C	Nom. Under armour Ø	Nom. Outer Ø	Nom. Weight
		Ohm/km	mm	mm	kg/km
FG16XOHM16 - 0,6/1 kV - 1x2x0,75 mm2	9300	26	-	8,85	107
FG16XOHM16 - 0,6/1 kV - 2x2x0,75 mm2	9301	26	-	12,14	201
FG16XOHM16 - 0,6/1 kV - 6x2x0,75 mm2	9304	26	-	16,03	340
FG16XOHM16 - 0,6/1 kV - 12x2x0,75 mm2	9306	26	-	20,73	575
FG16XOHM16 - 0,6/1 kV - 24x2x0,75 mm2	9308	26	-	28,16	1007
FG16XOHM16 - 0,6/1 kV - 1x2x1 mm2	9309	19,5	-	9,19	119
FG16XOHM16 - 0,6/1 kV - 2x2x1 mm2	9310	19,5	-	12,69	225
FG16XOHM16 - 0,6/1 kV - 6x2x1 mm2	9313	19,5	-	16,85	391
FG16XOHM16 - 0,6/1 kV - 12x2x1 mm2	9315	19,5	-	21,86	672
FG16XOHM16 - 0,6/1 kV - 24x2x1 mm2	9317	19,5	-	29,99	1206
FG16XOHM16 - 0,6/1 kV - 1x2x1,5 mm2	9318	13,3	-	9,71	136
FG16XOHM16 - 0,6/1 kV - 2x2x1,5 mm2	9319	13,3	-	13,55	264
FG16XOHM16 - 0,6/1 kV - 6x2x1,5 mm2	9322	13,3	-	18,1	472
FG16XOHM16 - 0,6/1 kV - 12x2x1,5 mm2	9324	13,3	-	23,59	828
FG16XOHM16 - 0,6/1 kV - 24x2x1,5 mm2	9326	13,3	-	32,47	1502
FG16XOHM16 - 0,6/1 kV - 1x2x2,5 mm2	9327	7,98	-	10,65	172
FG16XOHM16 - 0,6/1 kV - 2x2x2,5 mm2	9328	7,98	-	15,14	346
FG16XOHM16 - 0,6/1 kV - 6x2x2,5 mm2	9331	7,98	-	20,35	650
FG16XOHM16 - 0,6/1 kV - 12x2x2,5 mm2	9333	7,98	-	26,92	1171
FG16XOHM16 - 0,6/1 kV - 24x2x2,5 mm2	9335	7,98	-	37,34	2162

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

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