FORELIND®
Special Electrical Cables

CPR cable - INSTRUMENTATION CABLES

DRAWING IS ONLY ILLUSTRATIVE

IDENTIFICATION AND REACTION TO FIRE

FG16XHOHM16 - 0,6/1 kV - PAIR
Cca-s1b,d1,a1

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
PAIR SCREEN	**Material**	Al/polyester tap, Al in continuos contact with stranded tinned copper cl.2
TOTAL CABLING	**Type**	Pairs are cabled together with optimal lay length
TOTAL SCREEN	**Material**	Al/polyester tap, Al in continuos contact with stranded tinned copper cl.2
SHEATH	**Material**	Halogen free thermpolastic 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

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.

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

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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IDENTIFICATION (*)	P/N	Max conductor resistance at 20°C Ohm/km	Nom. Under armour Ø mm	Nom. Outer Ø mm	Nom. Weight kg/km
FG16XHOHM16 - 0,6/1 kV - 2x2x0,75 mm2	9500	26	-	13,01	223
FG16XHOHM16 - 0,6/1 kV - 6x2x0,75 mm2	9503	26	-	17,02	418
FG16XHOHM16 - 0,6/1 kV - 12x2x0,75 mm2	9505	26	-	22,1	664
FG16XHOHM16 - 0,6/1 kV - 24x2x0,75 mm2	9507	26	-	30,89	1201
FG16XHOHM16 - 0,6/1 kV - 2x2x1,5 mm2	9516	13,3	-	14,59	290
FG16XHOHM16 - 0,6/1 kV - 6x2x1,5 mm2	9519	13,3	-	19,22	556
FG16XHOHM16 - 0,6/1 kV - 12x2x1,5 mm2	9521	13,3	-	25,14	923
FG16XHOHM16 - 0,6/1 kV - 24x2x1,5 mm2	9523	13,3	-	35,53	1714
FG16XHOHM16 - 0,6/1 kV - 2x2x2,5 mm2	9524	7,98	-	16,26	372
FG16XHOHM16 - 0,6/1 kV - 6x2x2,5 mm2	9527	7,98	-	21,61	728
FG16XHOHM16 - 0,6/1 kV - 12x2x2,5 mm2	9529	7,98	-	28,67	1270
FG16XHOHM16 - 0,6/1 kV - 24x2x2,5 mm2	9531	7,98	-	40,81	2387

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

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