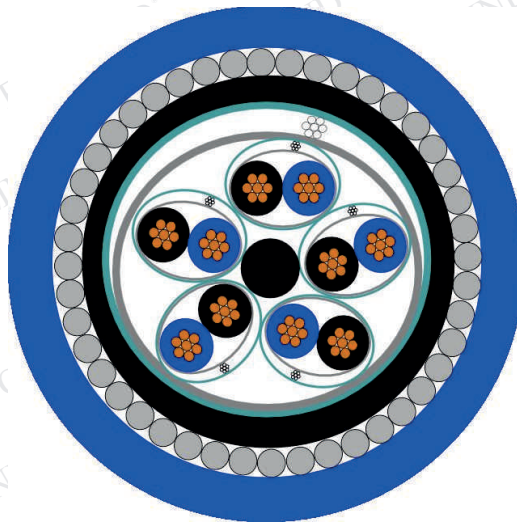


FTG18X(H)OHM16(F/A)M16 - 0,6/1 KV

INSTRUMENTATION FIRE RESISTANT CABLE

CPR B2ca-s1a, d1, a1



DRAWING IS ONLY ILLUSTRATIVE

CABLE CONSTRUCTION AND SPECIFICATIONS

IDENTIFICATION AND REACTION TO FIRE

FTG18X(H)OHM16(F/A)M16 - 0,6/1 Kv

B2ca-s1a, d1, a1

DESCRIPTION

Fire resistant single and of overall screened armoured cable

APPLICATION

Instrumentation and control communications cables in buildings and other civil engineering works with the objective of limiting the generation and spread of fire and smoke.

CONDUCTOR

Material

Flexible annealed bare copper cl.5

FIRE BARRIER

Material

Mica glass tape

INSULATION

Material

Crosslinked elastomeric compound low smoke and halogen suitable for CPR (G18 quality)

Colors

On request

PRIMARY CABLING

Type

Cores are twisted 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

Cores are cabled 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

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FTG18X(H)OHM16(F/A)M16 - 0,6/1 KV

SHEATH

Material

Halogen free thermoplastic compound suitable for CPR (M16 quality)

Colors

Natural

ARMOUR

Material

Galvanized steel wire

Type

Wire armour / Braid wire armour

SHEATH

Material

Halogen free thermoplastic compound suitable for CPR (M16 quality)

Colors

On request

Marking

FOR.EL.IND. S.p.A. - OUR REF. - YEAR -

TYPE OF CABLE - 0,6/1 kV - Cross section mmq - B2ca-s1a,d1,a1 -

CE 0987 - MADE IN ITALY - WWW.FORELIND.COM - Meter marking

ELECTRICAL CHARACTERISTICS

Voltage rating

600 / 1000 V

Insulation resistance

≥ 1000 MOhm x km

Dielectric test cond/cond

3500 V a.c. x 10 min

MECHANICAL AND INSTALLATION CHARACTERISTICS

Min. bending radius

12 x Diam.

Max operating temperature

90 °C

Max short circuit temperature

250 °C

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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	-	-
Power cables with extruded insulation and their accessories for rated voltages from 1 kV (Um = 1,2 kV) up to 30 kV (Um = 36 kV). Part 1: Cables for rated voltage of 1 kV (Um = 1,2 kV) and 3 kV (Um = 3,6 kV) (where applicable)	IEC 60502-1 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	IEC 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
Method of test for resistance to fire of unprotected small cables for use	CEI 20-36/4-0 (CEI EN 50200)	-	EN 50200

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FTG18X(H)OHM16(F/A)M16 - 0,6/1 KV

IDENTIFICATION	P/N	Max conductor resistance at 20°C Ohm/km	Nom. Under armour (mm)	Nom. Outer diameter (mm)	Nom. Weight (kg/km)
FTG18XOHM16FM16 - 0,6/1 kV - 1x2x1,5 mm2	20887	13,3	9,97	14,59	404
FTG18XOHM16FM16 - 0,6/1 kV - 1x3x1,5 mm2	21057	13,3	10,78	16,16	516
FTG18XOHM16FM16 - 0,6/1 kV - 1x4x1,5 mm2	21457	13,3	11,80	17,18	578
FTG18XOHM16FM16 - 0,6/1 kV - 1x7x1,5 mm2	21343	13,3	14,25	19,97	801
FTG18XOHM16FM16 - 0,6/1 kV - 1x2x2,5 mm2	20889	7,98	11,07	16,59	566
FTG18XHOHM16FM16 - 0,6/1 kV - 2x2x1,5 mm2	21249	13,3	16,71	23,55	1070
FTG18XHOHM16FM16 - 0,6/1 kV - 3x2x1,5 mm2	21248	13,3	17,92	24,76	1153
FTG18XHOHM16FM16 - 0,6/1 kV - 4x2x1,5 mm2	21246	13,3	19,76	26,80	1311
FTG18XHOHM16FM16 - 0,6/1 kV - 6x2x1,5 mm2	21056	13,3	23,12	30,36	1624
FTG18XHOHM16FM16 - 0,6/1 kV - 12x2x1,5 mm2	20890	13,3	31,44	40,32	2869
FTG18XHOHM16FM16 - 0,6/1 kV - 24x2x1,5 mm2	21250	13,3	45,06	55,96	5137
FTG18XHOHM16FM16 - 0,6/1 kV - 2x2x2,5 mm2	21257	7,98	18,38	25,22	1211
FTG18XHOHM16FM16 - 0,6/1 kV - 3x2x2,5 mm2	21256	7,98	19,73	26,77	1.339
FTG18XHOHM16FM16 - 0,6/1 kV - 4x2x2,5 mm2	21255	7,98	21,88	29,12	1.546
FTG18XHOHM16FM16 - 0,6/1 kV - 6x2x2,5 mm2	21254	7,98	25,52	33,78	2.123
FTG18XHOHM16FM16 - 0,6/1 kV - 12x2x2,5 mm2	20892	7,98	34,76	43,84	3.399
FTG18XHOHM16FM16 - 0,6/1 kV - 24x2x2,5 mm2	21253	7,98	50,21	61,73	6.240
FTG18XHOHM16AM16 - 0,6/1 kV - 2x2x1,5 mm2	21258	13,3	16,71	21,19	632
FTG18XHOHM16AM16 - 0,6/1 kV - 3x2x1,5 mm2	21259	13,3	17,92	22,40	701
FTG18XHOHM16AM16 - 0,6/1 kV - 4x2x1,5 mm2	21260	13,3	19,76	24,46	822
FTG18XHOHM16AM16 - 0,6/1 kV - 6x2x1,5 mm2	21261	13,3	23,12	28,02	1056
FTG18XHOHM16AM16 - 0,6/1 kV - 12x2x1,5 mm2	21262	13,3	31,44	37,56	1926
FTG18XHOHM16AM16 - 0,6/1 kV - 24x2x1,5 mm2	21263	13,3	45,06	52,22	3380
FTG18XHOHM16AM16 - 0,6/1 kV - 2x2x2,5 mm2	21264	7,98	18,38	22,86	745
FTG18XHOHM16AM16 - 0,6/1 kV - 3x2x2,5 mm2	21265	7,98	19,73	24,43	850
FTG18XHOHM16AM16 - 0,6/1 kV - 4x2x2,5 mm2	21266	7,98	21,88	26,78	1003
FTG18XHOHM16AM16 - 0,6/1 kV - 6x2x2,5 mm2	21267	7,98	25,52	30,62	1296
FTG18XHOHM16AM16 - 0,6/1 kV - 12x2x2,5 mm2	21268	7,98	34,76	41,10	2382
FTG18XHOHM16AM16 - 0,6/1 kV - 24x2x2,5 mm2	21269	7,98	50,21	57,77	4290

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