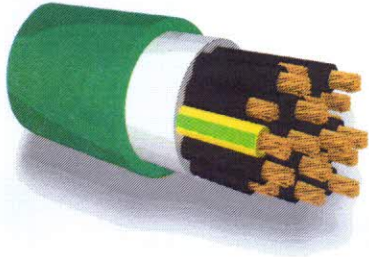




electricables



FG16OM16 - 0,6/1 kV Signalling and Control

CONTROL AND SIGNALLING CABLES, HEPR INSULATED (G16), THERMOPLASTIC SHEATHED, WITH SPECIAL REQUIREMENTS OF REACTION TO FIRE PERFORMANCE ACCORDING TO CONSTRUCTION PRODUCTS REGULATION(CPR)



CE 18
0051

DoP 00018 - Class: Cca-s1b,d1,a1

REACTION TO FIRE SPECIFICATION:

Cables for general applications in construction work subject to reaction to fire requirements with reference to EU regulation 305/2011 and EN 50575:2014+A1:2016

SUITABLE FOR:

Halogen-free and low smoke and acid cables used in buildings and other civil engineering works in order to limit the generation and spread of fire and smoke toxic to humans and the environment. Possibility of being directly buried. Use also in wet rooms or outdoors (AD7). For other details, it is advisable to refer to CEI 20-67 " Guide to the use of 0.6/1 kV cables" for other details.

TECHNICAL FEATURE

Rated Voltage	Max operating temperature	Min temperature of installation	Max stocking temperature	Max temperature of short circuit	Min internal bending radius	Max mechanical stress
600/1000 V	90°C	0°C	40°C	250°C	4xD	50 N/mm ²

CONSTRUCTION FEATURES

CONDUCTORS:

Flexible, annealed bare copper, class 5 according to CEI EN 60228

INSULATION:

High modulus ethylene propylene rubber-based HEPR insulation compound with low smoke and acidity according to CEI 20-11/0/1;V1 (G16 quality)

SHEATH:

Thermoplastic sheathing compound with low smoke and acidity according to CEI 20-11/0/1;V1 (M16 quality)

IDENTIFICATION COLOURS:

Core identification according to CEI-UNEL 00722.

MARKING: Ink Jet

MN FG16OM16 0,6/1 kV (SECTION) CEI-UNEL 35328 – IEMMEQU EFP - ECOPECSO LINE – Cca-s1b,d1,a1 CE WW/YY (METER MARKING)

FEATURES:

Minimum operating temperature: -15°C

GUIDE TO USE

Signalling and control cables suitable for limiting fire spread, production and diffusion of opaque smoke and acid gases. Suitable for bundled installations in environments at higher risk in case of fire due to high crowding density or high time of displacement in case of fire or high damage to animals and property such as health care facilities (IEC 64-56), public entertainment venues, shopping malls, hotel facilities. Suitable indoors or outdoors even in wet environments, for fixed installation in free air, in pipe or duct, on masonry and metal structures or suspended.

STANDARDS:

CEI EN 60228;
CEI 20-11/0-1;V1;
CEI 20-13;
CEI UNEL 35328;
CEI 20-67;

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DIMENSIONAL FEATURES AND ELETRICAL PROPERTY

n° x mm ²	number and nominal cross-sectional area of conductors	∅ Max diameter (mm)	CONDUCTOR		INSULATION thickness (mm)	SHEATH thickness (mm)	WEIGHT Indicative weight of cable (g/m)
			∅ diameter max. of wires (mm)	max resistance res. ef. (ohm/km) reducu			
7x1,5		15,4	0,26	13.3	0,70	1,80	315,00
ARTICLE CODE							CM1607015
7x2,5		16,8	0,26	7.98	0,70	1,80	412,00
ARTICLE CODE							CM1607025
10x1,5		18,7	0,26	13.3	0,70	1,80	460,00
ARTICLE CODE							CM1610015
10x2,5		20,6	0,26	7.98	0,70	1,80	611,00
ARTICLE CODE							CM1610025
12x1,5		19,3	0,26	13.3	0,70	1,80	494,00
ARTICLE CODE							CM1612015
12x2,5		21,3	0,26	7.98	0,70	1,80	664,00
ARTICLE CODE							CM1612025
16x1,5		21,1	0,26	13.3	0,70	1,80	594,00
ARTICLE CODE							CM1616015
16x2,5		23,3	0,26	7.98	0,70	1,80	804,00
ARTICLE CODE							CM1616025
19x1,5		22,1	0,26	13.3	0,70	1,80	657,00
ARTICLE CODE							CM1619015
19x2,5		24,5	0,26	7.98	0,70	1,80	900,00
ARTICLE CODE							CM1619025
24x1,5		25,4	0,26	13.3	0,70	1,80	861,00
ARTICLE CODE							CM1624015
24x2,5		28,3	0,26	7.98	0,70	1,80	1.187,00
ARTICLE CODE							CM1624025