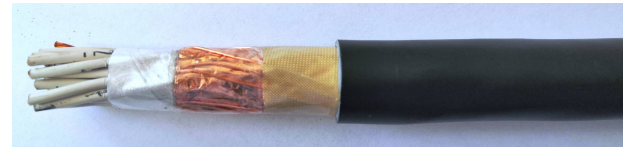


IFSI-EMC 300/500V



Halogen-free thermoplastic insulated shielded control cable for 300/500V.

Application:

- Halogen-free control cables for indoor and outdoor use where dark smoke and corrosive fumes can give damage in case of fire.
- Improved EMC 100% screen according to EMC directive (low transfer impedance, provide shielding against EMI (insolation) and EME (radiance)).
- Pulling loads for cables with copper conductors: max. $50 \times S$ (S- the sum of all cross-section conductors in mm^2) [N]
- Cables could be installed outside and inside and also buried directly into ground.



Standard: CENELEC HD 627-S1:2002 part 7B1

Flame retardant: YES, acc. to EN 60332-3-24 (cat. C); EN 50575:2014+ A1:2016

Halogen-free: YES, acc. to EN 60754-1:2014-11; EN 60754-2:2014-11

Low smoke: YES, acc. to IEC 61034-2:2010, EN 61034-2:2010+A1:2014-02

Reaction to fire according to EN50575:2014+A1:2016: CPR class: D_{ca} s2 d2 a2



Rated voltage: 300/500 V

No. and rated cross-section cores: 4x 8x 12x 20x 28x cross-section 0,75 mm^2

Test voltage: 2000 V

Max conductor resistance at 20°C: 0,75 $\text{mm}^2 \rightarrow 26 \Omega/\text{km}$



Colours acc. to EN 50334:

White cores with black numbers



Construction:

- Conductors: flexible multiwire copper conductor class 5, acc. to EN 60228
- insulation: halogen-free compound
- concentric conductor (EMC): copper tape with overlap and copper wire helically twisted; concentric conductor may be used as protective earth PE
- sheath: halogen-free compound black, UV-resistant (I)



Temperature:

- max. conductor temp. : +70°C
- min. temp. during installation and mounting of accessories: - 20°C
- fixed installation temp. range: - 30°C ÷ 70°C



Min. bending radius:

fixed installation: 12 × cable diameter

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Non-returnable wooden drums 1000m
ETIM

ETIM 6/7 Class-ID:

EC000104

Class-Description: Control cable

ETIM Dynamic 2.0 Class-ID:

EC003250

Class-Description: Power cable < 1 kV, for flexible applications

Specifications are subject to change without notice for Customer

Technical Data— IFSI-EMC 300/500V

No and cross-section of conductors / cross-section of concentric conductors	Nominal thickness of insulation	Number of guds in assembly	Nominal thickness of overshath	Outer diameter approx	Cable weight approx
	[mm]	[pcs]	[mm]	[mm]	[kg]
4 × 0,75 / 3,0 ^{*)}	0,6	1	1,2	9,8	139
8 × 0,75 / 4,0		2	1,4	12,4	248
12 × 0,75 / 4,0		3	1,4	14,6	294
20 × 0,75 / 4,0		5	1,6	17,8	448
28 × 0,75 / 6,0		7	1,6	20,5	570

^{*)}braided copper wires

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ELTRIM KABLE SP. Z O.O., RUSZKOWO 18, 13-200 DZIAŁDOWO,
TEL. + 48 023 697 03 00, FAX +48 023 697 03 02,
e-mail: eltrim@eltrim.com.pl www.eltrim.com.pl

