Prysmian Group

PRYSMIAN Draka

Afumex®

MMO-HF 0,6/1 kV

Low smoke halogen-free 1 kV control cable

RATED VOLTAGE

U_0/U = 0,6/1 kV, U_m = 1,2 kV

APPLICATION

Cable for the control, measuring and signal circuits of electrical equipment for fixed surface and flush-mounted installations, indoors and outdoors.

Especially for circumstances where it is required to have insulated conductors with a low emission of smoke and corrosive gases in case of fire.

- Not suitable for installation directly in ground nor directly in concrete without protective ducting.
- not for installations subject to electrical interference (see MCCMO).
- Direct sunlight (UV) may slightly alter the colour of the sheath.

Highest permissible conductor temperature:

• continuous operation	70 °C
• short circuit (duration up to 5 s)	250 °C

Lowest recommended temperature during laying (3): -20 °C

Maximum permissible pulling force from conductor is 50x A N/mm^2

CONSTRUCTION

Conductor Solid annealed copper wire

Insulation PEX compound

Filling sheath Taping (/halogen-free filling compound)

Outer sheath Grey halogen-free compound

IDENTIFICATION OF CORES

According to standard EN 50334:
7-24 cores Yellow-green, numbering

STANDARDS

IEC 60502-1

SFS 3714 when applicable

IEC / EN 60332-1-2

IEC / EN 60332-3

IEC / EN 61034

EN 50267

CERTIFICATES, APPROVALS

KEMA-KEUR

CE

The cable does not contain any substances on the REACH/SVHC -list.

All substances of the cable meet the requirements of RoHS directive.

CUSTOMS CODE

8544 49 91

MMO-HF 0,6/1 kV

PROPERTIES

PRODUCT NAME		MMO-HF 7x1,5 S	MMO-HF 12x1,5 S	MMO-HF 24x1,5 S	MMO-HF 7x2,5 S	MMO-HF 12x2,5 S	MMO-HF 24x2,5 S
STK-code		0406202	0406203	0406204	0406205	0406206	0406207
CONSTRUCTION DATA (1)							
Diameter over cable	mm	13	16	21	14	17	23
Weight	kg/km	250	350	600	330	460	830
DELIVERY DATA							
Standard delivery lenght	m	500	500	500	500	500	500
MECHANICAL DATA (2)							
Minimum permissible bending radius during laying	mm	160	195	255	170	205	280
Minimum permissible bending radius at final installation (3)	mm	105	130	170	115	140	185
ELECTRICAL DATA (2)							
Maximum DC resistance, conductor 20°C	Ω/km	12,1	12,1	12,1	7,41	7,41	7,41
Capacitance at 20 °C, between two adjacent conductors	nF/km	alle 150			alle 160		
CURRENT RATINGS (2) (4)							
Reference installation type E, e.g. in free air	A	13	11	8	16	13	10

(1) Approximate value.
(2) See the basic assumptions at general information of products.
(3) Final installation with careful single bending into final position.
(4) Other installation types, see SFS 6000-5.