

DFS ME

Fire alarm cable, 300/500V

halogen-free, with improved fire characteristics,
BS EN 50200 + Annex E 30 min., PH30 to PH120, and BS 6387 CWZ



- 1 Conductor: solid copper wire
- 2 Insulation: EN 50363-5, flame-resistant compound, halogen-free
- 3 Drain wire: tinned copper
- 4 Shielding: Aluminium foil with a copolymer backing, halogen-free, bonded to the outer sheath
- 5 Sheath: FRNC/LSZH



Description

Cable for fire alarm systems and emergency lighting (where no protective earth is necessary).
For permanent installation in buildings. Suitable for use in Hazardous Areas Zones 1 and 2.
Optimized for fast termination: The aluminium foil is bonded to the inside of the sheath by a copolymer backing. So it is removed together with the sheath when terminating.
Permitted operating temperature at conductor of +90°C.

Construction

Conductor	Bare copper, solid, IEC 60228 and EN 60228
Insulation	Special compound, BS EN 50363-5
Core colours	HD 308 S2
Shielding	Al foil with a copolymer backing and tinned copper drain wire (0.5 mm ²), EN 60228
Outer sheath material	Polyolefin compound, low smoke, halogene-free, flame-retardant

General properties

Circuit Integrity	No
Insulation integrity	PH 120
Installation temperature	0 °C - +70 °C
Operating temperature	-40 °C - +90 °C

Electrical properties

Nominal voltage	300/500V
Test voltage at 50Hz	2,000 V

Mechanical properties

Minimum bending during installation (multi core)	6 x D
Minimum bending radius permanent (multi core)	6 x D

Standards

Smoke density	EN 61034-1/-2
Zero halogen no corrosive gases	EN 60754-1/-2
Flame propagation	EN 60332-1-2
Flame spread	EN 60332-3-24/-25

Versions

Material number	Product	Outer sheath colour	Outer sheath diameter [mm]	CU rate [kg/km]	Weight [kg/km]	Packing unit	GTIN / EAN
18804500ZN	DFS ME	red	7.35	22.4	80	100 m drum	40393910097498
18804500ZM	DFS ME	red	7.35	29	80	200 m drum	40393910097504
18804500ZL	DFS ME	red	7.35	29	80	500 m drum	40393910097511
18804400ZN	DFS ME	white	7.35	22.4	80	100 m drum	40393910097528
18804400ZM	DFS ME	white	7.35	29	80	200 m drum	40393910097535
18804400ZL	DFS ME	white	7.35	29	80	500 m drum	40393910097542
18726700ZM	DFS ME	white	11.4	75.3	200	200 m drum	40393910097733
18726700ZL	DFS ME	white	11.4	75.3	200	500 m drum	40393910097740
18804700ZN	DFS ME	red	7.6	30.6	95	100 m drum	40393910097405
18804700ZM	DFS ME	red	7.6	43	95	200 m drum	40393910097412
18804700ZL	DFS ME	red	7.6	43	95	500 m drum	40393910097429
18804600ZN	DFS ME	white	7.6	30.6	95	100 m drum	40393910097467
18726700ZN	DFS ME	white	11.7	75.3	200	100 m drum	40393910097726
18804600ZM	DFS ME	white	7.6	43	95	200 m drum	40393910097474
18804600ZL	DFS ME	white	7.6	43	95	500 m drum	40393910097481
18804900ZN	DFS ME	red	9	47.9	141	100 m drum	40393910097283
18804900ZM	DFS ME	red	9	72	141	200 m drum	40393910097290
18804900ZL	DFS ME	red	9	72	141	500 m drum	40393910097306
18804800ZN	DFS ME	white	9	47.9	141	100 m drum	40393910097344
18804800ZM	DFS ME	white	9	72	141	200 m drum	40393910097351
18804800ZL	DFS ME	white	9	72	141	500 m drum	40393910097368
18805500ZN	DFS ME	red	8.8	43.6	129	100 m drum	40393910096927
18805500ZM	DFS ME	red	8.8	43.6	129	200 m drum	40393910096934
18805500ZL	DFS ME	red	8.8	43.6	129	500 m drum	40393910096941
18805400ZN	DFS ME	white	8.8	43.6	129	100 m drum	40393910096989
18805400ZM	DFS ME	white	8.8	43.6	129	200 m drum	40393910096996
18805400ZL	DFS ME	white	8.8	43.6	129	500 m drum	40393910097009
18805200ZN	DFS ME	red	9.5	96	194	100 m drum	40393910097108
18805200ZM	DFS ME	red	9.5	96	194	200 m drum	40393910097115
18805200ZL	DFS ME	red	9.5	96	194	500 m drum	40393910097122
18805300ZN	DFS ME	white	9.5	96	194	100 m drum	40393910097047
18805300ZM	DFS ME	white	9.5	96	194	200 m drum	40393910097054
18805300ZL	DFS ME	white	9.5	96	194	500 m drum	40393910097061
18805100ZN	DFS ME	red	9	56.7	145	100 m drum	40393910097160
18805100ZM	DFS ME	red	9	72	145	200 m drum	40393910097177
18805100ZL	DFS ME	red	9	72	145	500 m drum	40393910097184
18805000ZN	DFS ME	white	9	56.7	145	100 m drum	40393910097221
18805000ZM	DFS ME	white	9	72	145	200 m drum	40393910097238
18805000ZL	DFS ME	white	9	72	145	500 m drum	40393910097245

Other dimensions available on request. All dimensions in 100, 200 or 500 m length on drum.

