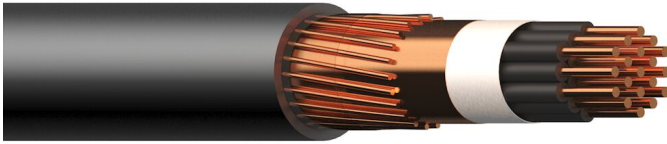


IFSI-EMC PURE 750V

Halogen-free shielded signal cable



GENERAL INFO

For use in signaling systems. Allowed used indoors, outdoors and as a ground cable. The Cu screen is 100% tight, has low coupling impedance and meets the EMC directive. Halogen-free cables are recommended when it is important to avoid the formation of dense smoke and corrosive gases in case of overheating or fire.

Expected lifetime 50 years, provided proper installation, load and ambient temperature

CABLE CONSTRUCTION

Conductor material	Copper
Drain wire	Yes
Armouring/reinforcement material	Copper, bare
Screen construction	Braiding
Screen	Yes
Screen material	Copper, bare
Material inner sheath	Halogenfree polymer
Cable shape	Round

MARKING TEXT ON OUTER SHEATH (EXAMPLE)

DRAKA 08 IFSI-EMC PURE D - s2d2a1 750 V 7x2,5 CE "year" "Production code" "meter marking"

Core colours:

Black cores with white numbers.

STANDARDS APPLIED

HD 627 7B2	Construction
IEC 60502-1	Construction
IEC 60228 Class 1	Conductors
EN 50575:2014 + A1:2016	CPR standard - Fire properties
IEC 61034-1, -2	Low smoke properties: IEC 61034-1, -2 (minimum 60% light transmittance)
EN 60754-1 and EN 60754-2	Halogen free properties: EN 60754-1 (pH $\geq$ 4,3, Conductivity $\leq$ 10 μ S), EN 60754-2 (< 0,5% Halogen)

APPLICATION PROPERTIES

Nominal voltage U ₀ [V]	450
Nominal voltage U [V]	750
Flame retardant	In accordance with EN/IEC 60332-3-24
Halogen free	acc. IEC/EN 60754-1/2
Halogen free (acc. EN 60754-1/2)	Yes
Halogen free (acc. IEC 60754-2)	Yes
Low smoke	acc. IEC/EN 61034-2
Low smoke (acc. EN 61034-2)	Yes
Low smoke (acc. IEC 61034-2)	Yes
Reaction-to-fire class (acc. EN 13501-6)	Dca
Smoke development class (acc. EN 13501-6)	s2
Euro class flaming droplets/particles (acc. EN 13501-6)	d2
Euro class acidity (acc. EN 13501-6)	a2
Max. conductor temperature [°C]	90
Outdoor installation	Yes
Underground installation	Yes
Suitable as installation cable	Yes
Bending radius (rule)	8xD

PRODUCT RANGE / ORDER DATA

Basic construction	Colour outer sheath	Conductor category	DOP number	Packaging type	Standard packaging quantity	EAN-code (GTIN)	SAP	EL no.
5x1,5mm ² ER	Black	Class 1 = solid	1005814	Drum	1,000	8711401054968	20228095	1004021
5x1,5mm ² ER	Black	Class 1 = solid	1005814	Drum	500	8711401056580	20231469	1004020
5x2,5mm ² ER	Black	Class 1 = solid	1005812	Drum	1,000	8711401054937	20228101	1004036
5x2,5mm ² ER	Black	Class 1 = solid	1005812	Drum	500	8711401056559	20231475	1004035
7x1,5mm ² ER	Black	Class 1 = solid	1005800	Drum	500	8711401056566	20231470	1004022
7x1,5mm ² ER	Black	Class 1 = solid	1005800	Drum	1,000	8711401054944	20228096	1004023
7x2,5mm ² ER	Black	Class 1 = solid	1005788	Drum	500	8711401056528	20231476	1004037
7x2,5mm ² ER	Black	Class 1 = solid	1005788	Drum	1,000	8711401054913	20228102	1004038
12x1,5mm ² ER	Black	Class 1 = solid	1005798	Drum	500	8711401056498	20231471	1004024
12x1,5mm ² ER	Black	Class 1 = solid	1005798	Drum	1,000	8711401054890	20228097	1004025
12x2,5mm ² ER	Black	Class 1 = solid	1005810	Drum	1,000	8711401054883	20228103	1004040
12x2,5mm ² ER	Black	Class 1 = solid	1005810	Drum	500	8711401056481	20231477	1004039
19x1,5mm ² ER	Black	Class 1 = solid	1005798	Drum	1,000	8711401054906	20228098	1004027
19x1,5mm ² ER	Black	Class 1 = solid	1005798	Drum	500	8711401056511	20231472	1004026
19x2,5mm ² ER	Black	Class 1 = solid	1005811	Drum	1,000	8711401054920	20228104	1004042
19x2,5mm ² ER	Black	Class 1 = solid	1005811	Drum	500	8711401056535	20231478	1004041
27x1,5mm ² ER	Black	Class 1 = solid	1005789	Drum	1,000	8711401054876	20228099	1004029
27x1,5mm ² ER	Black	Class 1 = solid	1005789	Drum	500	8711401056450	20231473	1004028
37x1,5mm ² ER	Black	Class 1 = solid	1005813	Drum	500	8711401056573	20231474	1004030
37x1,5mm ² ER	Black	Class 1 = solid	1005813	Drum	1,000	8711401054951	20228100	1004031

ER = Copper solid round

MR = Copper flexible round

DIMENSIONAL DATA

Basic construction	Nominal outer diameter [mm]	Diameter conductor [mm]	Cable weight [kg/km]	Fire load [MJ/km]
5x1,5mm ² ER	13	1.36	230	1,120
5x2,5mm ² ER	14.5	1.77	300	1,370
7x1,5mm ² ER	14	1.36	270	1,240
7x2,5mm ² ER	15.5	1.77	360	1,490
12x1,5mm ² ER	17	1.36	385	1,710
12x2,5mm ² ER	19.5	1.77	535	2,070
19x1,5mm ² ER	20	1.36	575	2,500
19x2,5mm ² ER	23	1.77	815	3,050
27x1,5mm ² ER	23	1.36	750	3,150
37x1,5mm ² ER	25.5	1.36	950	3,820

ER = Copper solid round

MR = Copper flexible round