

Power Control cables and electronics cables

EQFR-EMC Pure 300/500 V



Application

Halogen free and flame retardant cable. Smoke in the event of a fire is limited, transparent (facilitates evacuation) and not harmful to electronic equipment. Fixed installation indoors and outdoors. Even suspended on suspension cable as well as in soil or water. The outer sheath is UV protected for outdoors in the north. For the control command and signaling purposes. Copper screen has 100% coverage and have low coupling impedance and meets EMC Directive when properly performed the installation.

Alternative Product Name

SE-N05Z1C7Z1-U

Approval

CE

Environmental

Environmental Declaration - EQFR-EMC Pure

Standard

SS 424 03 21
CENELEC HD 627 Part 4 Section C-1
CENELEC HD 604
IEC 60754-1, -2
SS-EN 61034-1, -2
EN 50575:2014

Design and test standard
Harmonized construction standard
Halogen free material
Corrosive gases
Smoke density
Power, control and communication cables - Cables for general applications in construction works subject to reaction to fire requirements

Construction

Cable Shape	Round
Conductors	Solid annealed copper acc. IEC 60228 class 1
Conductor Insulation	Halogen free polymer, white
Marking of cores	Numbers
Shield / Screen	Solid copper foil with overlapping and overlying copper wires
Inner sheath	Halogen free polymer or plastic strips
Outer Sheath	Halogen free polymer, grey
Example of marking on sheath	EQFR-EMC PURE 14x1,5 300/500 V D-s2d2a2 DRAKA "Date", metre marked

Temperature

Maximum operating Temperature	70 °C
Temperatures at installation [°C]	Lowest cable temperature during installation -20 °C, below 0 °C special precaution shall be taken.

Features

CPR Performance class	Dca-s2d2a2
Bending radius	12 x D 8 x D at final assembly

Conductors and screen area [mm ²]	Standard delivery length [m]	Delivery Package	EAN/GTIN number	SAP Number
7x1,5	1000	K9	8711401052018	20217152
10x1,5	1000	K11	8711401013910	20217203
14x1,5	1000	K11	8711401014115	20217204
19x1,5	1000	K12	8711401013514	20217151
27x1,5	1000	K12	8711401014023	20217205
37x1,5	1000	K14	8711401013811	20217206

Conductors and screen area [mm ²]	Diameter over sheath [mm]	Cable weight [kg/km]	Min. Bending radius at final installation [mm]	Min. Bending radius during installation [mm]	Resistance [Ω/km]
7x1,5	13,7	268			12,1
10x1,5	16,4	364			12,1
14x1,5	17,6	444			12,1
19x1,5	19,3	556			12,1
27x1,5	22,8	758			12,1
37x1,5	25,2	962			12,1

Electrical data at +20°C

Resistance, measured in loop (max)	24,2 Ω/km
Insulation resistance (min)	500 MΩkm
Capacitance between adjacent cores at 1 kHz	100 nF/km
Capacitance, core-screen at 1 kHz	150 nF/km
Inductance between adjacent cores at 1 kHz	650 mH/km
Characteristic impedance at 1 kHz	190 Ω