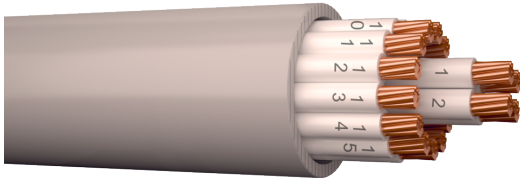


Power Control cables and electronics cables

FQQR 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 catenary wire. The outer sheath is UV-protected for outdoor use in the North. For monitoring, control and signaling purposes.

Alternative Product Name

SE-N05Z1Z1-R

Approval

CE

Environmental

Environmental Declaration - FQQR Pure

Standard

SS 424 03 21
CENELEC HD 627 Part 4 Section C-1
CENELEC HD 604
SS-EN 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 Stranded annealed copper acc. IEC 60228 class 2
Conductor Insulation Halogen free polymer, white
Marking of cores Numbers
Outer Sheath Halogen free polymer, grey
Example of marking on sheath FQQR PURE 14x1 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
4x1	500	K6	8711401012722	20217169
7x1	500	K6	8711401012821	20217170
14x1	500	K8	8711401012913	20217167
30x1	500	K6	8711401012920	20217250

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]
4x1	9,6	115			19,5
7x1	11,1	165			19,5
14x1	14,9	287			19,5
30x1	20,6	512			19,5

Electrical data at +20°C

Resistance, measured in loop (max)	36,2 Ω/km
Insulation resistance (min)	500 MΩkm
Capacitance between adjacent cores at 1 kHz	80 nF/km
Inductance between adjacent cores at 1 kHz	700 mH/km