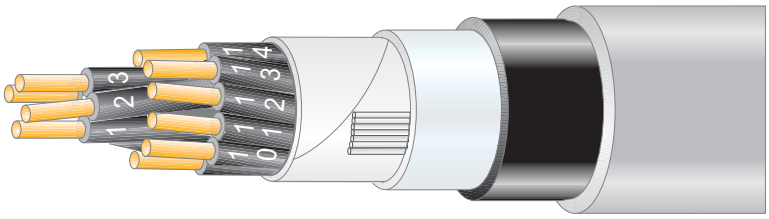
Draka

Energy & Infrastructure | Europe

EQLR 300/500 V



Application fields
Halogen free, no emittance of corrosive gases, low smoke density in case of fire. Fixed installation, indoors and outdoors, also suspended in catenary system and in ground/water. The cable is ideal for installations where external electrical disturbances are possible.

Alternative designation
SE-N05Z1A7Z1-U

Standard
SS 424 03 21
CENELEC HD 627 Part 4
Section C-1
CENELEC HD 604 (Halogen free materials)
IEC 60754-1, -2 (corrosive gases)
IEC 61034 (smoke density)

Fire propagation class
F3 acc. to SS 424 14 75
and IEC 60332-1
and SS-EN 50265-2-1

Temperature range
In continuous operation
max. conductor temp 70 °C.
Lowest cable temperature under installation: -20 °C and below 0 °C special precaution shall be taken.

Approval
SEMKO, Ⓢ-marked
CE

Material declaration
EQLR

PVC alternative
EKLR

Bending radius
12 x D
(8 x D in final installation)

Design

Conductor:	Solid and annealed copper acc. to IEC 60228 class 1
Insulation:	Halogen free compound, black
Core identification:	Numbers
Common core sheath:	Halogen free compound or plastic tape
Concentric conductor:	Aluminium with bonded PE in contact with drain wire of tinned copper
Inner sheath:	PE
Sheath:	Halogen free compound, grey
Marking e.g.:	EQLR 14x1,5 300/500 V F3 DRAKA "Date", metre marked

Electrical data at +20 °C

Resistance, measured in loop (max)	24,2 Ω/km
Resistance in continuity conductor (max)	18,2 Ω/km
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 µH/km
Characteristic impedance at 1 kHz	190 Ω
Attenuation at 1 kHz	0,8 dB/km

Number of cores x cross-section of conductor mm²	Overall diameter (approx.) mm	Weight (approx.) kg/100 m	Standard delivery length m	Standard drum size	E-nr
7x1,5	12,8	20,7	500	K07	3110070804
14x1,5	16,3	35,5	500	K08	3110140804
19x1,5	18,0	45,5	500	K08	3110190804
37x1,5	24,1	82,9	500	K11	3110370804
48x1,5	27,0	105,1	500	K12	3110480804

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Number of cores x cross-section of conductor mm²	Overall diameter (approx.) mm	Weight (approx.) kg/100 m	Standard delivery length m	Standard drum size	E-nr
61x1,5	29,9	130,3	500	K14	3110610804
5x2x1,5	17,5	30,7	500	K09	3110056804
11x2x1,5	23,3	56,2	500	K11	3110116804
15x2x1,5	26,9	74,7	500	K12	3110156804
36x2x1,5	39,6	173,9	500	K18	3110366804

Nominal values unless otherwise specified.

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