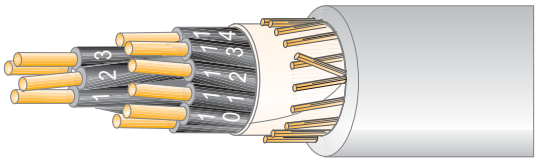
Draka

Energy & Infrastructure | Europe

EKFR 300/500 V



Application fields
Fixed installation indoors and outdoors, also suspended in catenary system and in ground/water. For control, operating and signalling purposes.

Alternative designation
SE-N05VC7V-U

Standard
SS 424 03 21
CENELEC HD 627 Part 4
Section C-1

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: -10 °C and below 0 °C special precaution shall be taken.

Approval
SEMKO, Ⓢ-marked
CE

Material declaration
EKFR, FKFR, RKFR

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

Design

Conductor:	Solid and annealed copper acc. to IEC 60228 class 1
Insulation:	Lead free PVC, black
Core identification:	Numbers
Common core protection:	Lead free PVC or plastic tape
Concentric conductor:	Annealed copper wires and counter spiral of copper
Sheath:	Lead free PVC, grey
Marking e.g.:	EKFR 14x1,5 300/500 V F3 DRAKA "Date", metre marked

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	130 nF/km
Inductance between adjacent cores at 1 kHz	650 µH/km
Characteristic impedance at 1 kHz	190 Ω

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	13,8	27,2	500	K08	3005070804
10x1,5	15,6	35,2	500	K09	3005100804
14x1,5	17,2	44,4	500	K09	3005140804
19x1,5	18,9	56,7	500	K11	3005190804
27x1,5	21,9	77,2	500	K11	3005270804
37x1,5	25,0	101,1	500	K12	3005370804
91x1,5	37,5	238,1	500	K16	3005910804
15x2x1,5	28,1	97,8	500	K12	3005156804

Nominal values unless otherwise specified.

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