

FRNC communication cable

J-H(St)H



Application: Low-smoke, zero-halogen communication cable with improved flame-retardance. Primarily for use in buildings with a high concentration of people or material assets. For the connection of communication units indoors in wet and dry rooms on and under plaster. For outdoor installation the cable must be protected from sunlight.

Construction and technical data:

CPR-classification according to EN 50575:	Cca / Eca
Standard:	VDE 0815
Conductor material:	copper, bare
Conductor construction:	Class 1 = solid
Insulation:	FRNC-compound HI1
Screen:	plastic coated aluminium foil + solid copper drain wire
Sheathing material:	FRNC-compound HM1
Colour of outer sheath:	grey
Flame-retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Cat. C)
Smoke density:	DIN EN 61034/IEC 61034
Halogen-free:	DIN EN 50267/IEC 60754
Permitted outer cable temperature, fixed, °C:	-30 - +70 °C
Min. bending radius, fixed installation:	7.5 x Ø
Coupling K1:	300 pF



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Stranding	4 cores twisted into star-quads, 5 star-quads stranded into one sub-unit, sub-units layed up in layers
Core identification	The star-quads of each bunch are continuous: red, green, grey, yellow, white
	The cores within one star-quad are marked by rings:
a-wire 1	without ring
b-wire 1	one ring, wide space
a-wire 2	double ring, wide space
b-wire 2	double ring, narrow spaced

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Maximum operating capacity:
peak operating voltage, V:

120 nF/km
300 V

part no.	part name	DI [mm]	Ø [mm]	Cu	G [kg]
100294	02X2X0.6	0.6	5.5	14	49
100295	04X2X0.6	0.6	6.8	25	92
100296	06X2X0.6	0.6	7.5	37	101
100297	10X2X0.6	0.6	9	59	146
100298	20X2X0.6	0.6	11	116	310
100299	30X2X0.6	0.6	13	172	352
100300	40X2X0.6	0.6	15	229	464
100301	50X2X0.6	0.6	17	286	573
100302	60X2X0.6	0.6	18	342	661
100303	80X2X0.6	0.6	20.5	455	876
100304	100X2X0.6	0.6	23	568	1056
100305	02X2X0.8	0.8	7	25	69
100306	04X2X0.8	0.8	9	45	136
100307	06X2X0.8	0.8	10.5	65	152
100308	10X2X0.8	0.8	13	106	230
100309	20X2X0.8	0.8	16.5	206	508
100310	30X2X0.8	0.8	20	307	599
100311	40X2X0.8	0.8	22.5	407	787
100312	50X2X0.8	0.8	25.5	508	973
100314	60X2X0.8	0.8	28	608	1121
100313	80X2X0.8	0.8	31	809	1476
100315	100X2X0.8	0.8	32	1010	1805

DI	diameter conductor
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000