05ZZH6-F

flat elevator travelling cable

Construction

Conductor	flexible stranded bare copper class 5 acc. to EN 60228
Insulation	special low smoke halogen free flame retardant thermoplastic compound PE or PP for signal pairs
Layout	cores lay in parallel groups twisted signal pairs lay in the middle
Shield	copper braid screen (C) or aluminium laminated pet foil (ST) over signal pairs
Separation	talcum for elements - sheath separation
Ripcord	for removing sheath material
Sheath	special low smoke halogen free flame retardant thermoplastic compound black similar to RAL9005 surface with knurling

Cores identification

cores	without green-yellow (x)	with green-yellow (G)
6	white insulation with black numbers	white insulation with black numbers + green/yellow between numbers 2 and 3
8	white insulation with black numbers	green/yellow between numbers 3 and 4
9		green/yellow between numbers 5 and 6
>9	white insulation with black numbers	white insulation with black numbers + green/yellow between numbers 7 and 8

pairs	color identification
1	white+blue
1*	white+brown
2	white+blue; white+orange
4	white+blue; white+orange; white+green; white+brown

Cable marking example

DRAKA 07 05ZZH6-F 20G0,75+2x(2x0,5)C *order number* I *meter mark* Made in EU

Repeated without meter mark in half of meter

Application

Flat, flexible travelling cable for use in passenger and goods lifts (elevators).
Recommended to use indoors.

Electrical data

Element (type, cross-section)	Rated Voltage U0/U V	Test voltage core-core V	Test voltage core-screen V	Resistance single conductor Ω/km
Power cores 0,75 mm2	300/500	2000	-	26,0
Power cores 1,0 mm2	300/500	2000	-	19,5
Signal pairs 2x0,25 mm2	-	1500	1000	-
Signal pairs 2x0,34 mm2	-	1500	1000	-
Signal pairs 2x0,5 mm2	-	1500	1000	-

Technical data

Maximum Freely Suspended Length m	Maximum Travelling Speed m/s	Natural loop (Static Flexibility) mm	Operating temp. °C min.	Operating temp. °C max.	Minimum bending radius	Standards
45	4,0	< 700	-15,0	70,0	25 x cable height	Similar to EN 50214

Part Number	Cable Construction number of cores x nominal cross-section	Cable Dimensions height x width (approx.) mm	Cable Net Weight (approx.) kg/km	Impedance signal pair Ω	Standard Length m
20134531	*12 x 0,75 + (2x0,25)ST	5,1 x 38,0	270	110	500
20122720	16 G 0,75 + 2x (2x0,34)C	5,9 x 54,0	450	110	1000
20122719	16 G 0,75 + 2x (2x0,5)C	5,6 x 54,0	445	80	1000
20118061	20 G 0,75 + 2x (2x0,34)C	5,9 x 62,0	530	110	500
20107464	20 G 0,75 + 2x (2x0,5)C	5,6 x 62,0	540	80	500
20122722	22 G 0,75 + (2x0,5)C	5,6 x 65,0	545	80	500
20122724	24 G 0,75 + 2x (2x0,5)C	5,6 x 74,0	610	80	500
20122727	28 G 0,75 + 4x (2x0,34)ST	5,1 x 86,0	635	110	500
20122726	28 G 0,75 + 2x (2x0,5)C	5,8 x 81,0	690	80	500
20122728	30 G 0,75 + 2x (2x0,5)C	5,8 x 88,0	730	80	500
20122723	24 G 1 +4x (2x0,5)C	5,6 x 86,5	740	80	500

Notes

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