H05VVH6-F

flat elevator travelling cable

Construction

Conductor	flexible stranded bare copper class 5 acc. to EN 60228
Insulation	special PVC compound according to EN 50363-3 TI 2 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 PVC compound according to EN 50363-4-1 TM 2 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
2	white+blue; white+orange
4	white+blue; white+orange; white+green; white+brown

Cable marking example

DRAKA 07 H05VVH6-F 24G1+4x(2x0,5)C ◁EZU▷ ◁HAR▷ *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	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
20226775	10 G 0,75 + 2x (2x0,25)ST	5,1 x 36,0	270	110	1000
20107415	16 G 0,75 + 2x (2x0,34)C	5,9 x 54,0	520	110	1000
20296537	16 G 0,75 + 2x (2x0,5)C	5,6 x 54,0	508	80	500
20107330	16 G 0,75 + 2x (2x0,5)C	5,6 x 54,0	508	80	1000
20118060	20 G 0,75 + 2x (2x0,34)C	5,9 x 63,0	640	110	500
20065036	20 G 0,75 + 2x (2x0,5)C	5,6 x 64,0	640	80	500
20107332	22 G 0,75 + (2x0,5)C	5,6 x 65,0	635	80	500
on request	24 G 0,75 + 2x (2x0,34)ST	5,1 x 74,0	660	80	500
20099839	24 G 0,75 + 2x (2x0,5)C	5,6 x 74,0	715	80	500
20122729	24 G 1 + 4x (2x0,5)C	5,6 x 86,5	870	80	500

Notes

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