

D05VE7C4VD3H6-F 31G0,75+8x(2x0,34)C+CAT7

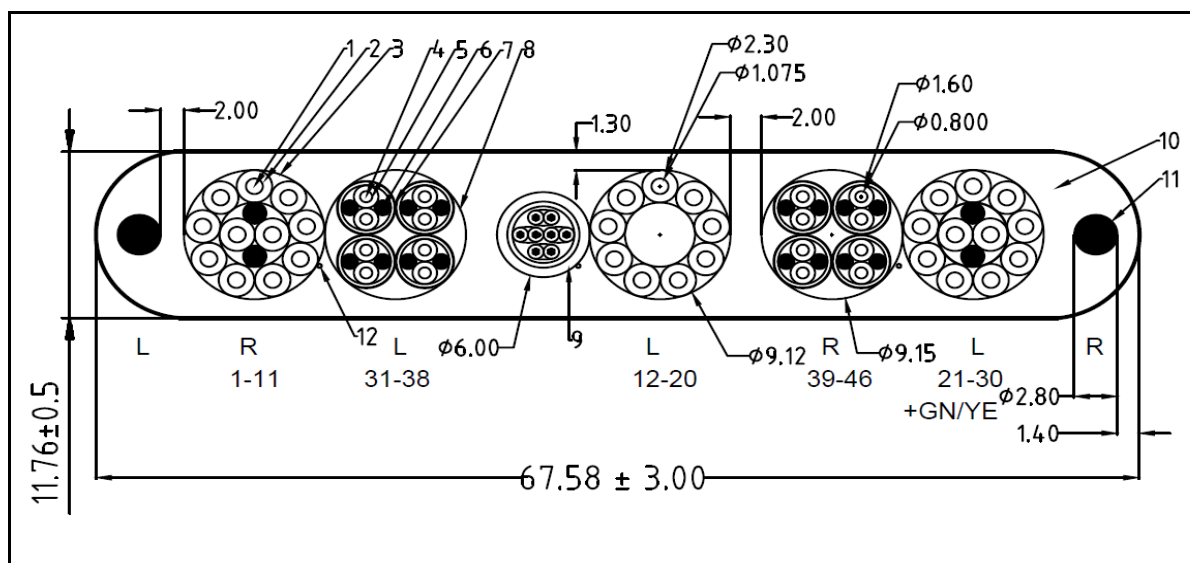
flat elevator travelling cable

SAP code 20156002

1. Conductor 0,75 mm²	flexible stranded copper, class 5 resistance: 26 Ω/km
2. Insulation 0,75 mm²	special PVC insulation according HD21.1: TI1,2 white insulation with black numbering + 1 GN-YE
3. Strands 0,75 mm²	Strands 1-11, 21-30+GN-YE 1. layer - 2 cores stranded together + filler 4. Strand 12-20 1. layer filler 5. 2. layer - 9 cores stranded around 1. layer taped with PET foil 0,019 mm; Ø 9,2 mm
4. Filler element	polypropylene yarns, stranded; Ø 1,5 mm
5. Filler element	extruded PVC filler; Ø 5,1 mm
6. Conductor 0,34 mm²	flexible stranded bare copper, class 5 resistance: 57,2 Ω/km
7. Insulation 0,34 mm²	cellular polypropylene foamed compound, with solid skin layer white insulation with black numbering
8. Shielded twisted pair	elements stranded, taped with PET foil 0,023 mm braided with tinned copper wires, 7x0,1 mm optical coverage 80% second PET foil on braided element
9. Strands of signal pair	31-38, 39-46 4 pairs stranded together; Ø 9,2 mm PET foil 0,019 mm
10. Data cable	UC 900 SS26 Cat. 7 S/FTP patch cable Ø 6 mm see annex CAT7001
11. Strain bearing member	zinc coated steel strand; Ø 2,8 mm
12. Ripcord	for removing jacket material
13. Sheathing material	special PVC insulation according HD21.1: TI1,2 black, with knurling
Cable marking	DRAKA 07 D05VE7C4VD3H6-F 31G0,75 +8(2x0,34)C+CAT7 <i>meter mark I order number</i>
Electrical data	
Rated voltage U ₀ /U	300/500 V
Test voltage	2000 V
Rated voltage U ₀ /U signal pairs	100V
Test voltage on signal pairs	1000 V core/screen 1500 V core/core
Impedance of signal pairs	110 Ω ± 15%

Technical data

Dimensions (width x thickness)	67,6 ± 4,5 mm x 11,8 ± 0,5 mm
Linear weight	approx. 1310 kg /km
Max. free suspension length	50 m (based on 90% termination efficiency)
Max. travelling speed	4 m/s
Min. bending radius (static)	10x cable thickness
Min. bending radius (dynamic)	14x cable thickness*
Natural loop (approx.)	655 mm
Operating temperature range	min. -15°C – max. 70°C
Standard packaging	drums with 500 m



* The impact on expected lifetime cannot be excluded, if lower bending radius than 530 mm is applied

ANNEX CAT7001

S/FTP patch cable

Application

Work area and patch cord cable
IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T; 10GBase-T
IEEE 802.5 16 MB; ISDN; TPDDI; ATM

Standards

EN 50173-1; EN 50288-4-2; ISO/IEC 11801; IEC 61156-6

Flame resistance

LSHF (FRNC)	IEC 60332-1; IEC 60754-2; IEC 61034
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Construction

Conductor	stranded bare copper wire Ø 0.48 mm (AWG 26/7)
Insulation	Foam Skin Polyethylene, Ø 1.0 mm
Twisting	2 cores to the pair
Pair screen	Al-laminated plastic foil
Cable lay up	4 pairs (PiMF) to the core
Screen	Copper braid, tinned
Sheath	LSHF, color see "Technical data"

Mechanical properties

Bending radius	without load	≥ 25 mm
	with load	≥ 50 mm
Temperature range	during operation	-20 °C to + 60° C
	during installation	0 °C to + 50° C

Electrical properties

at 20°C ± 5°C

Loop resistance		250Ω/km
Resistance unbalance		≤ 3%
Insulation resistance	(500 V)	≥ 2000 MΩ*km
Mutual capacitance	at 800 Hz	Nom. 43 nF/km
Capacitance unbalance	(pair/ground)	≤ 1500 pF/km
Mean characteristic impedance	at 100 MHz	100 ± 5 Ω
Nominal velocity of propagation		approx. 79 %
Propagation delay		460 ns/100m
Delay skew		12 ns/100m
Test voltage	(DC, 1 min) core/core and core/screen	1000 V
Transfer impedance	at 1 MHz	25 mΩ/m
	at 10 MHz	25 mΩ/m
Coupling attenuation		80 dB

Electrical data (nominal)

acc. to Cat.7 (at 20°C)

F (MHz)	Attenuation (dB / 100m)	NEXT (dB)	ACR (dB / 100m)	Return loss (dB)	PS-NEXT (dB)	PS-ACR (dB / 100m)	ACRF (dB / 100m)	PS-ACRF (dB / 100m)
1	3	100	97	-	97	94	90	87
4	6	100	95	27	97	92	90	87
10	8	100	92	28	97	89	84	81
16	10	100	90	28	97	87	80	77
20	11	97	86	28	94	83	80	77
31	14	95	81	28	92	78	75	72
63	20	95	75	28	92	72	73	70
100	26	95	69	28	92	66	66	63
155	32	94	62	26	91	59	62	59
200	37	93	56	25	90	53	56	53
250	41	93	52	25	90	49	53	50
300	47	92	45	23	89	42	45	42
600	68	90	22	20	87	19	39	36
750	77	58	8	18	82	5	-	-
900	88	83	-5	17	80	-8	-	-
1000	95	80	-15	17	77	-18	-	-