05V3V3H6-F 30X0.75 MM2+ CAT 7

INFORMATION

Applications	Flexible cable for energy transport and video cable for installation of high speed elevators	
Standard	UNE - EN 60332-1-2 (Flame propagation) IEC 60332-1-2	
Conductor	Electrolytic copper, class 5 according to UNE 60228	
Electrical properties	300 - 500V	
Service temperature	-15° to 70°C	
Running speed	4 m/seg	
Acceleration	< 0.8m/s2	
Lenght	Suspension 45 m	Fixed 90 m
Colour	Black	
Insulation and sheathing	PVC	

PRODUCT INFORMATION

Cores number	30 in 6 groups of 5 units
Section	0.75 mm²
Copper composition	24 wire x 0.20 mm
Colour code	White, black numbered
Insulated conductor diameter	2.2 mm
Dimension approx.	9.2 (± 0,7 mm) x 52.9 (± 2.9 mm)
Copper content approx.	259.75 g/m
Natural loop	570 mm
Min. bending radius	10 x Cable height
Suspension elements	None
Data elements	CAT 7
Max. conductor resistance	26 Ohm/Km
Test voltage	2000 V
Print	PEVI – 05V3V3H6-F N°G0.75MM2 + CAT 7 Date

Further dimensions and compositions on request.

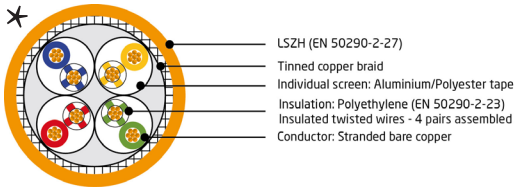
SPECIFICATIONS CAT7

Applications	Class F: Ethernet, Fast Ethernet, Gigabit Ethernet, 10 Gigabit Ethernet
Standard	EN 50173; EN 50288; IEC 60332-1; IEC 61156-6; ISO/IEC 11801
Sheath color	Orange
Higher heating value	376 MJ / km
Overall screen	Tinned copper braid
Halogen-free CAT7	LSZH
Individual screen	Aluminium / Polyester tape
Cable Type	S / FTP
Number of pairs	4*
Approximate weight	36 kg / km
Nominal outer diameter (mm)	5.8 mm
Diameter AWG conductor	26 AWG
Diameter over insulation	0.97 mm
Effective capacity	45 nF / km
Max. resistance the conductor at 20 ° C	165 Ohm / km
Impedance characteristics 100MHz	100 Ohm
Propagation velocity	75%
Coupling attenuation at 30Mhz	> 85
Maximum voltage to install	80 V
Bending factor when laying	7 (xD)
Bending radius static operating	3.5 (xD)
Ambient temperature during installation	0 to 50 ° C
Ambient static operating temperature	-20 to 70 ° C
No contaminants	EU RoHS directive

TRANSMISSION SPECIFICATIONS OF CAT.7 S/FTP FLEX

Values at 20°C

Frequency (MHz)	**4**	**100**	**155**	**200**	**240**	**250**	**350**	**500**	**550**	**580**	**590**	**600**
Max. attenuation (dB/100m)	5.6	28.5	36.0	41.2	45.4	46.5	55.8	67.9	71.6	73.7	74.4	75.1
Min. NEXT (dB)	75.0	72.4	69.5	67.9	66.7	66.4	64.2	61.9	61.3	60.9	60.8	60.7
Min. PSNEX (dB)	75.0	69.4	66.5	64.9	63.7	63.4	61.2	58.9	58.3	57.9	57.8	57.7
Min. ACRF (dB)	75.0	54.0	50.2	48.0	46.4	46.0	43.1	40.0	39.2	38.7	38.6	38.4
Min. PSACRF (dB)	75.0	51.0	47.2	45.0	43.4	43.0	40.1	37.0	36.2	35.7	35.6	35.4
Min. Return Loss (dB)	23.0	19.0	17.4	16.4	15.7	15.6	15.6	15.6	15.6	15.6	15.6	15.6



CAT 7 S/FTP
Nominal dimensions 7.8 x 22.5 mm