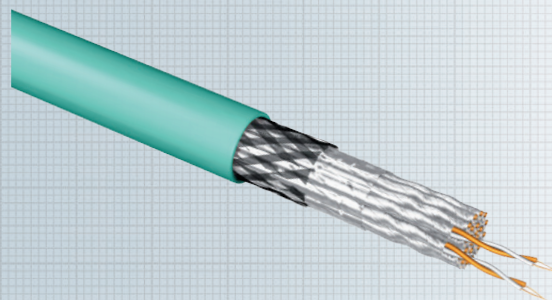
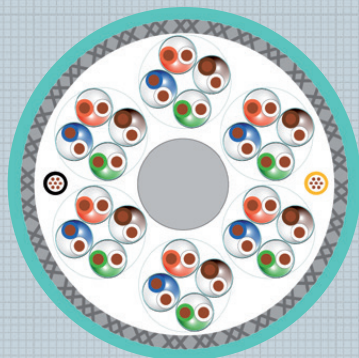


H.D.S. Copper LED indoor cable

6x (4 x 2 x AWG 24/1) FTP, cat.7, shielded



The H.D.S. indoor cable cat.7 6x(4x2xAWG24/1) S/FTP is suitable for the simple cabinet to cabinet cabling in data centers for multi-connections from distributor rooms to sub-distributions. The cable design consists of 24 pairs of shielded cable elements, 4 pairs each are combined to a stranded element. Each stranded element includes a number band for easier identification.

The flexible central strain-relief element protects the cable especially well during installation. The sheath consists of a flexible LSOH material. The test cores are AWG 28/7.

Technical data:

Electrical values	cat. 7
Wire	AWG 24/1
Fire test	IEC 60332-1, IEC 60332-3, IEC 60754-1/2, IEC 61034-1/2
Standard	IEC 61156-6, IEEE 802.3at (PoE+), ISO/IEC 11801, RoHS-2 2011/65/EU
Wire diameter	1.04 mm nom.
Cable diameter	16.4 mm nom.
Weight	270 kg/km
Cable sheath	FR-LSOH
Sheath color	aqua
Transmission length	Class E _A ≤ 60 m
Fire load	1.83 MJ/m; 0.51 kWh/m
Temperature range	-20°C – +60°C
Max. pull-in force	190 N
perm. bending radius	>65,6 mm (resting) >130 mm (during pull-in)

Transmission specifications

Frequency in MHz	Loss [dB/100m] 20°C Typical value	PSNEXT Loss [dB] Typical value	NEXT Loss [dB] Typical value	RL [dB] Typical value	PS ANEXT [dB] Typical value	PS ELFEXT [dB] Typical value	ELFEXT [dB] Typical value
1	2.6	105.0	108.0	22.0	68.0	95.0	98.0
4	4.9	100.0	101.0	25.0	68.0	90.0	93.0
10	7.7	95.0	98.0	28.0	68.0	86.0	89.0
20	10.9	90.0	93.0	28.0	68.0	80.0	83.0
30	13.4	85.0	88.0	27.0	68.0	76.0	79.0
100	25.0	80.0	83.0	24.0	68.0	66.0	69.0
150	31.0	78.0	81.0	22.0	65.0	63.0	66.0
200	36.0	78.0	81.0	21.0	65.0	60.0	63.0
250	40.8	75.0	78.0	20.0	62.0	58.0	61.0
300	44.8	75.0	78.0	19.0	62.0	52.0	55.0
400	52.5	70.0	73.0	19.0	62.0	49.0	52.0
500	59.5	70.0	73.0	19.0	62.0	47.0	50.0
600	62.0	70.0	73.0	19.0	62.0	47.0	50.0