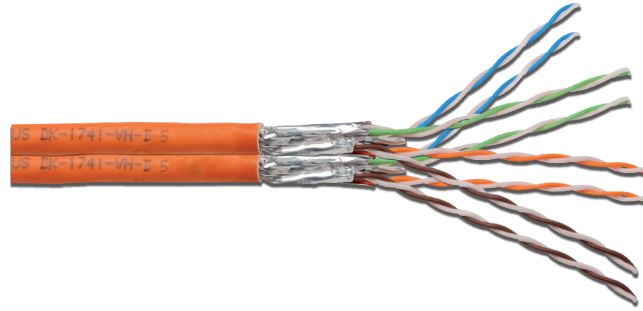


## DIGITUS® CAT 7 Twisted Pair Installation Cable

2x 4x2xAWG23 S-FTP CAT 7 1000 MHz LSZH installation cable  
 Suitable for building structured cabling in the secondary and tertiary area.  
 For installation of cable lines of class F, 1000 MHz.  
 Conforming to ISO/IEC 11801, DIN EN 50173, DIN EN 50288-4-1



Physical Description	
Basic Conductor	solid AWG 23/1, bare annealed copper (0.57mm nom.)
Insulation	SFS-PO
Total number of insulated conductors	2x8, twisted in 2x4 pairs
Color code	blue x white, orange x white, green x white, brown x white
Individual pair shield	Aluminium foil, providing 100% coverage, foil face out
Overall shield	tin-coated copper wire braid, 35% nom. coverage
Outer jacket	low-smoke, zero-halogen, flame retardant, non corrosive compound for indoor use
Outer jacket thickness	0.6 mm nom.
Color	orange RAL 2000.
Overall diameter	16x7.5 mm nom.
Copper (kg/km)	56
Print	DIGITUS® DK-1741-VH-D-5 2x 4x2x23# S/FTP CATEGORY 7 SHIELDED LSOH CABLE VERIFIED to CAT 7 ISO/IEC-11801 & IEC 61156-5 FR IEC 60332-1 CE 2002/95/EC (RoHS) [Meter Mark] METER [Batch Number]

Mechanical Properties	
Bend radius	dynamic: 8xD mm min., static: 4xD mm min.
Storage temperature	-20 to +75C
Temperature installation range	0 to +50C
Temperature operating range	-20 to +60C
Flame tests	IEC 60332-1 (fire), IEC 60754 (gas) & IEC 61034 (smoke)
Pulling force	150 N max.
Caloric value	650 KJ/m
Total weight	136 Kg/Km nom.

Electrical Properties	
Mean impedance	100±5 Ohm bei 1-600 MHz
Vp	75-77% nom.
Capacitance	40 pF/m nom bei 1 KHz
Capacitance unbalance to ground	1.6 pF/m max. bei 1 KHz
Insulation resistance	0.5 GOhm·Km min.
DC resistance	72 Ohm/Km max. (2% max. resistance unbalance).
DC loop resistance	147 Ohm/Km max. (2% max. resistance unbalance).
Voltage resistance	72Vdc max.
Coupling attenuation	85dB min bei 30-100 MHz. 85-20Log(f/100) dB min. at 100-1000 MHz.
PS-ANEXT loss	92.5-15Log(f) dB min. at 1-600 MHz (67dB max).
PS-AACRF	78.2-20Log(f) dB min. at 1-600 MHz (67dB max.)
Phase delay	534+36/f <sup>1/2</sup> nS/100m max. bei f=1-1000 MHz.
Delay skew	25 nS/100m max.

Transmission Properties								
Frequency (MHz)	Attenuation (dB/100m)	Next (dB)	PS Next (dB)	ACR (dB)	PS ACR (dB)	Elfext (dB)	PS Elfext (dB)	Returnloss (dB)
1	1.8	100	97	98	94	105	103	23
4	3.4	100	97	97	92	93	91	25
10	5.4	100	97	95	90	85	83	30
100	17.4	100	97	97	78	65	63	25
250	28.1	90	87	87	68	57	55	23
500	40.0	86	83	58	54	50	48	23
600	44.8	60.7	82	44	40	49	47	23
1000	58.4	82	79	23	20	45	43	20
1200	68.0	70	69	18	15	40	38	18