

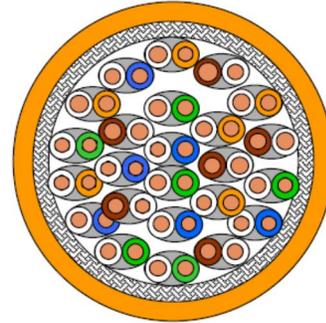
Copper cable

Cat 7 24 Pairs S/FTP LSFH Cable

Description

The Huber + Suhner Category 7 24 pairs shielded cable provides a high quality shielded media for the transmission up to 600MHz, Due to the multi-pairs construction, it can absolutely reduce the need of containment space and the cost of installation.

- Suitable for PoE/PoE+ applications
- Overall shielded by tinned copper wire braid, pairs individually shielded by aluminium tape.
- Stranding: 6 (5+1) bundles with 4 foiled pairs bl, or, gn, br. Coloured tapes are around each bundle
- Low flame-spread LSFH™ jacket material
- Compliant to
 - ISO/IEC 11801 Ed 2.0
 - EIA/TIA-568-C.2
 - EN 50173-1
 - IEC 61156-5
 - EN 50288-4-2
 - IEC 60332-1
 - IEC 60754-2
 - IEC 61034
- Consistent performance



Special Note: The conductor diameter is smaller compared to the standard cables. This leads to an increased attenuation and therefore the operating distance is reduced (80 m instead of 90 m installation cable in standard permanent link).

Technical data

Construction

Description	Values	Comment
Pairs	4 x 2 x 23 AWG	
Sheath material	LSFH	
Conductor material	Copper	

Mechanical and environmental data

Characteristics	Values	Tested acc. to	Comment
Bending Radius (during installation)	100 mm		
Bending Radius (installed)	200 mm		
Cable Diameter	18 mm		
Weight	330 Kg/km		
Maximum Pulling Force	840 N		
Colour	Orange RAL 2003		
Temperature Range (during Installation)	0°C to + 40°C		
Temperature Range (during operation)	-20°C to + 60°C		
Reaction to fire	Eca	EN 50575	
Compliant with RoHS and REACH	Yes		

Transmission data

Description	Values	Comment
Loop resistance	≤176 Ω /km	
Mean characteristic impedance	100 ± 5 Ω @ 100 MHz	
Nominal velocity	79 %	
Nominal propagation delay	< 450 ns/100m	

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Nominal delay skew	< 15 ns/100m
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Ordering information

Description	Item number	Comment
Category 7 copper Cable, S/FTP, 24 Pairs, 23AWG,Solid Conductor , LSFH jacket, orange, 500m/drum	85066240	

Related documents

Description	Document number
None	

Additional information

Description	
Microsite for Data Center solution	datacenter.hubersuhner.com
