

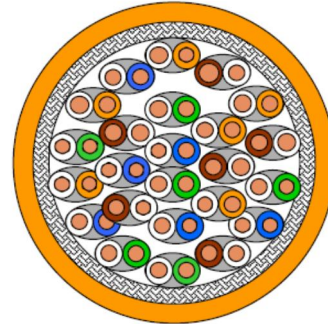
## Copper cable

Cat 7 24 Pairs S/FTP LSFH Cable

### Description

The Huber + Suhrner 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	<a href="https://datacenter.hubersuhner.com">datacenter.hubersuhner.com</a>