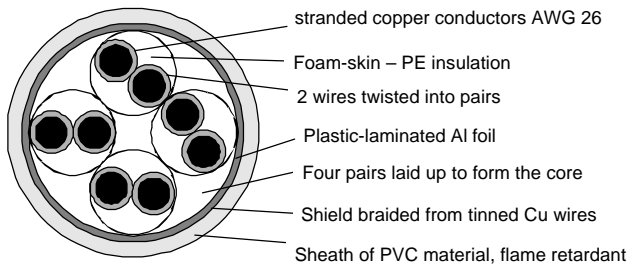


FutureCom S-FTP300/26/flex



Application

This Cable S/FTP300/26 flex is specified up to 100 MHz, to be used in buildings for the transmission of voice and data. It has excellent electrical characteristics, surpassing the today defined category 5 requirements of the International Standards DIN EN 50173 and ISO/IEC 11801. It also features a slim profile and low weight.

Special Features

- Flexible
- Specified up to 300 MHz
- Continuously shielded core (S/FTP)
- Excellent electrical values
- Slim profile, small diameter
- Low weight
- Suitable for IDC termination on RJ45 connectors and others
- Flame retardant to IEC 60332-1 and DIN VDE 0472, Part 804, test type B

Colour Code

Pair 1	blue/ blue with black rings
Pair 2	orange/ orange with black rings
Pair 3	green/ green with black rings
Pair 4	brown/ brown with black rings

Ordering Information

Typ code	Li02YS(ST)CY 4x2x0,15 GR
Number of pairs	4
Zero hydrogen	no
Outer diameter	5,6 mm
Weight	39 kg/km
Ordering number	CCXDNF-C0047-PL01-L8

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SIEMENS Values

Electrical Characteristics (at 20 °C)

Frequency / MHz	1	4	10	16	20	31,2 5	62,5	100	200	300
Attenuation /dB at 100m per standard*	3,15	6,45	9,9	12,3	13,8	17,7	25,6 5	33		
Typical values dB/100 m	3,0	5,8	9	10,2	12,2	14,7	22,5	27,3	38,5	48,5
Near end crosstalk /dB at 100m per standard*	62	53	47	44	42	40	35	32		
Typical values dB/100 m	70	65	60	60	52	48	45	45	38	35
ACR /dB – typical values	67	59	51	50	40	33	23	18	-	-

*) Standard: DIN EN 50173 requirements on 100 m installed cable of Category 5 for cabling link Class D

Max. loop resistance	300 Ohm/km
Max. resistance difference	3 %
Insulation resistance	> 150 MOhm x km
Impedance Zo at 0.064 MHz	125 Ohm +/- 20%
Impedance Zo at 1 – 100MHz	100 Ohm +/- 15% mean value
Transfer impedance at 10MHz	≤10 mOhm/m
Return loss: 1 - 20 MHz	> 23 dB
Return loss: >20 MHz	23 dB -10log (f/20)
Mutual capacity	48 pF/m
Max. capacitance unbalance at 0.001 MHz	≤ 1600 pF/km
Propagation velocity at > 10 MHz (NVP °c)	0,74 * c
Propagation delay ≥ 10MHz	4,5 ns/m

Mechanical Characteristics

Wire insulation	zero halogen, Foam-skin-PE (02YS)
Sheath material	PVC Material, flame-retardant
Deployment area	in dry and damp rooms
Max. temperature range during installation	0 / +50 °C
Max. operating temperature	-40 / +70 °C
Min. bend radius, mobile	≥ 30 mm
Diameter of copper conductor	0,15 mm ² (7x0,17 mm)