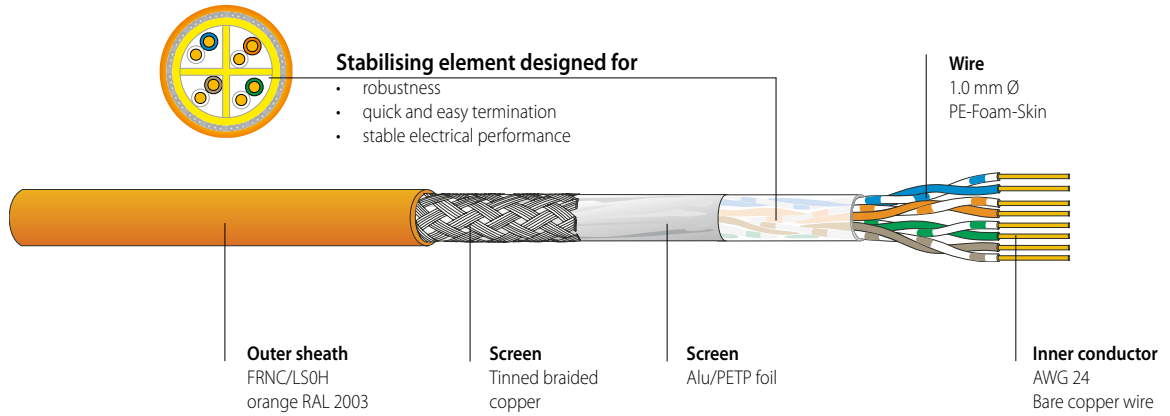
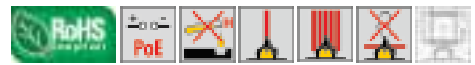


Data cable SF/UTP Cat.6 AWG24
CU 6702 4P



PRODUCT INFORMATION



FEATURES

Electrically and mechanically high-quality Cat.6 data cable - fulfils the requirements of ISO/IEC 11801, IEC 61156-5, EN 50173-1 und EN 50288-5-1. Robust cable design with a very high mechanical stability and reliable electrical performance thanks to the stabilising element. Excellent shielding effect due to overall foil and copper braid.

Simple, fast and reliable terminations thanks to the special cable stripper Abi 62.



Article No. 185640

Tool is applicable for
1. removal of outer sheath
2. removal of stabilising element from pairs

Compatible with all current connecting hardware in accordance with EN 50173 and ISO/IEC 11801.

APPLICATIONS

Data cable for structured premises cabling. For the transmission of digital and analogue voice, video and data signals. Suitable for all ICT network applications up to class E applications (250 MHz) in accordance with EN 50173-1 and ISO/IEC 11801. Applicable for Power over Ethernet (PoE) / PoE+.

VERSIONS

Article No.	Dimension n x n x mm (AWG)	Sheath	Sheath Ø mm	Weight kg/km	Cu weight kg/km	Fire load		PU
						kWh/m	MJ/m	
182943	4 x 2 x 0.54 (AWG24)	FRNC/LS0H ¹⁾	7.4	63.7	27.7	0.25	0.89	1000 m drum

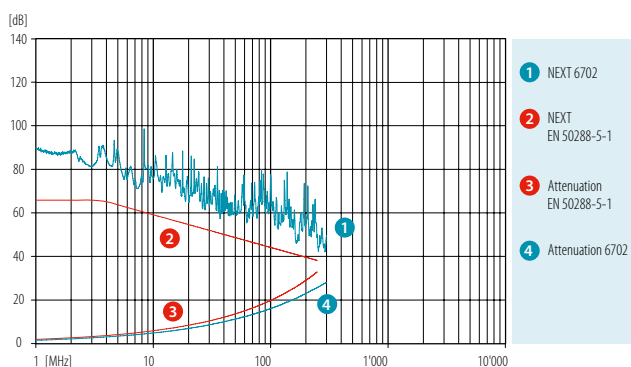
¹⁾ FRNC/LS0H = Flame Retardant Non Corrosive / Low Smoke Zero Halogen

ELECTRICAL CHARACTERISTICS

CATEGORY	5e			6		
Frequency [MHz]	1	4	10	100	250	300
Attenuation [dB/100m]	1.8	3.4	5.1	17.2	26	30
NEXT [dB]	84	75	71	50	43	40
PS NEXT [dB]	81	72	68	47	40	37
ACR-N [dB]	82	72	66	33	17	10
PS-ACR-N [dB]	79	69	63	30	14	7
ACR-F [dB]	90	80	71	42	35	31
PS-ACR-F [dB]	87	77	68	39	32	28
Return loss [dB]	27	30	32	30	25	25

These performance data are typical measured values.

Loop resistance at 20° C: 157 Ω/km
 Mutual capacitance: 50 pF/m
 Impedance at 100 MHz: 100 Ω ±5 Ω
 Transfer impedance at 1/10/30 MHz: < 40/80/180 mΩ/m
 Coupling attenuation (limit curve of critical state - IEC 61156): ≥ 55 dB
 Near end unbalance att. LCL at 1-250 MHz: > 40 dB
 Delay Skew: 25 ns/100 m
 NVP: 68 %



MECHANICAL CHARACTERISTICS

Bending radius during draw-in: ≥ 58 mm
 permanently installed: ≥ 29 mm
 Tensile strength: ≤ 110 N
 Crush resistance: ≥ 3000 N/10 cm
 Impact: ≥ 30 impacts
 Temperature range during installation: 0° C to + 50° C
 in operation: -20° C to + 60° C

GENERAL CHARACTERISTICS

Wire colour code white - blue/blue
 white - orange/orange
 white - green/green
 white - brown/brown
 in accordance with IEC 60189 and IEC 60708 (ring marked)

Imprint DATWYLER «cable type» «additional text» «batch number» «meter marks»

- Zero halogen, non corrosive gases
 - Flame propagation
 - Flame spread
 - Smoke density
 - Power over Ethernet
 - EMC
 - Cat./Class
- IEC 60754-1/-2, EN 50267-2-1/-2-2 (VDE 0482-267-2-1/-2-2)
 IEC 60332-1-2, EN 60332-1-2 (VDE 0482-332-1-2)
 IEC 60332-3-24, EN 60332-3-24
 IEC 61034-1/-2, EN 61034-1/-2 (VDE 0482-1034-1/-2)
 IEEE 802.3af
 shielded
 better than Cat.6 / Class E