

Product information



Features

Appropriate to outdoor installation thanks to rodent protection and PE outer cable sheath. Robust cable design with a very high mechanical stability and reliable electrical performance thanks to the stabilising element. Excellent screen effect due to overall foil and copper braid.

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



Article number 185 640

- Tool to
1. cut
 2. remove the stabilising element from the pairs

Compatible with all current connecting hardware to EN 50173-1 and ISO/IEC 11801. Guaranteed limit values according to Cat.6: ISO/IEC 11801:2002, EN 50173-1 and EN 50288-5-1.

Applications

Data cable for structured premises cabling For transmission of digital and analogue voice and data signals. Especially suitable for all Class E applications. ISDN, Ethernet 10 Base-T, Fast Ethernet 100 Base-T, Gigabit Ethernet 1000 Base-T, Token Ring 4/16 Mbit/s, TP-PMD/TP-DDI 125 Mbit/s, ATM 155 Mbit/s.

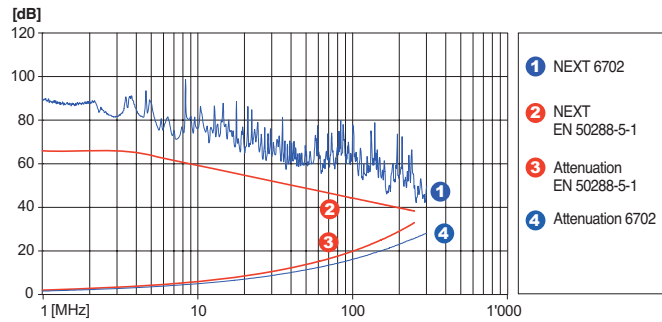
Versions

Article No.	Dimension	Type	Sheath	Sheath Ø	Weight	Cu weight	Fire load	PU
	n x n x mm (AWG)			mm	kg/km	kg/km	kWh/m MJ/m	
187 668	4 x 2 x 0,54 (AWG24)	HF-4969/09-U FRNC/LSOH ¹⁾ -PE		11,6	145	28,0	0,88 3,15	on request

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

Electrical Characteristics

Loop resistance at 20°C:	160 Ω/km
Mutual capacitance:	41 pF/m
Impedance at 100MHz:	100 Ω ± 5 Ω
Transfer impedance	
1/10/30 MHz:	< 40/80/180 mΩ/m
Near end unbalance att.	
LCL 1/10/100 MHz:::	> 40 dB
Delay Skew:	9 ns/100m
NVP:	73 %



Category	5e		6		
Frequency [MHz]	1	4	10	100	250
Attenuation [dB/10m]	1,8	3,4	5,1	17,2	26
NEXT [dB]	84	75	71	50	43
PS NEXT [dB]	82	73	69	48	41
ACR [dB]	82	72	66	33	17
PS ACR [dB]	80	70	64	31	15
ELFEXT [dB]	90	80	71	42	35
PS ELFEXT [dB]	88	78	69	40	33
Return loss [dB]	27	30	33	30	25

These performance data are typical measured values.

Mechanical Characteristics

Bending radius	- during draw-in ≥ 92 mm - permanently installed ≥ 46 mm
Tensile strength	≤ 91 N
Crush resistance	≥ 3000 N/10 cm
Impact	≥ 20 Impacts
Temperature range	- during installation 0°C to + 50°C - in operation -20°C to + 60°C

Environmental conditions

Zero halogen	according to IEC 60754-2
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General Characteristics

Wire colour code	white - blue/blue white - orange/orange white - green/green white - brown/brown according to IEC 189 and IEC 708 (ring marked)
Printing	DAETWYLER UNINET 6702 4P INDUSTRIAL AWG24 S/FTP GGT (+Batch number+meter marks)
Zero halogen	IEC 60754-1/-2, EN 50267-2-1/-2-2, VDE 0482-267-2-1/-2-2
Minimum smoke emission	IEC 61034-1/-2, EN 61034-1/-2 (EN 50268-1/-2), VDE 0482-1034-1/-2 (VDE 0482-268)-1/-2)
EMC	screened
Cat./Class	better than Cat.6, Class E

Cables

Copper screened

Copper unscreened

Fibre optic

Systems

Accessories

Informations