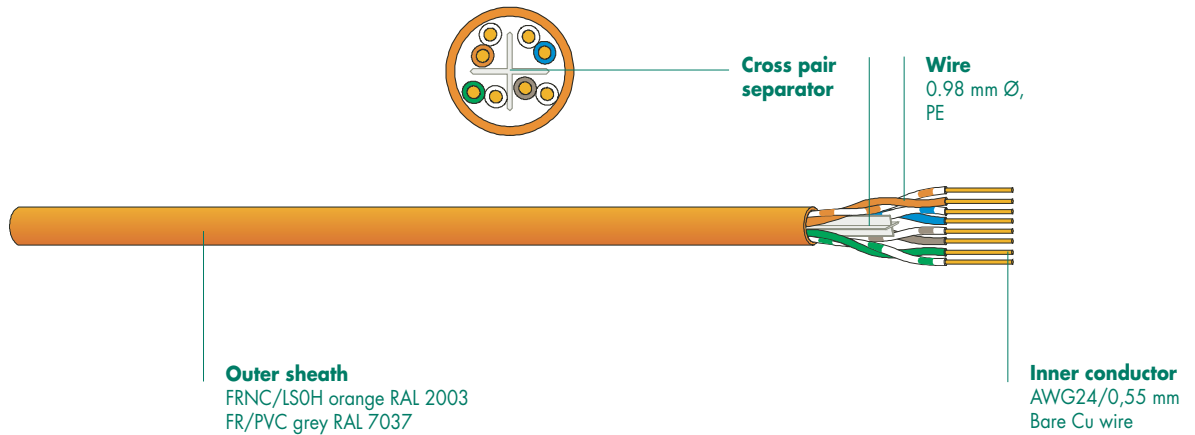


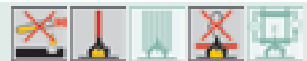
Data cable U/UTP Cat.6 AWG24

uninet® 662 4P

Dätwyler Cables



Product information



Features

High-quality Cat 6 data cable satisfying the highest demands!
Very good Next reserve thanks a cable construction with cross (pair separator).
Compliant with all current connection hardware according to: EN 50173 and ISO/IEC 11801.
Guaranteed limit values according to Cat.6: ISO/IEC 11801, EN 50173, EN 50288-6-1 and TIA/EIA 568-B-2.

Applications

Data cable for building structured premises cabling. For the transmission of digital and analogue signals, voice, video and data applications.
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.

Sheath colour	FRNC/LSOH	orange RAL 2003
	FR/PVC	grey RAL 7037

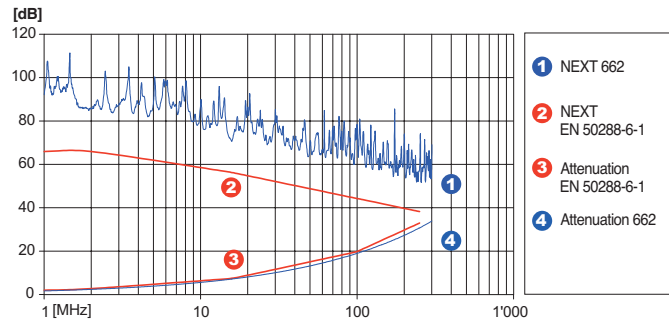
Versions

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	
185 586	4 x 2 x 0.55(AWG24)	HF-4329-U	FR/PVC ²⁾	6.0	39.8	19.4	0.20	0.72	1000m Drum
185 596	4 x 2 x 0.55 (AWG24)	HF-4333-U	FRNC/LSOH ¹⁾	6.0	41.3	19.4	0.17	0.60	1000m Drum

¹⁾ FR/PVC = Flame Retardant/Polyvinylchloride;
²⁾ FRNC/LSOH = Flame Retardant Non Corrosive/Low Smoke Zero Halogen

Electrical Characteristics

Loop resistance at 20°C:	155 Ω/km
Mutual capacitance:	50 pF/m
Impedance at 100MHz:	100 Ω ± 5 Ω
Delay Skew:	20 ns/100m
NVP:	67 %



Category	5e					6
Frequency [MHz]	1	4	10	100	250	300
Attenuation [dB/100m]	1,8	3,6	5,6	18,1	29,1	31,5
NEXT [dB]	85	80	73	59	52	50
PS NEXT [dB]	82	77	70	56	49	47
ACR [dB]	83	76	67	41	23	18
PS ACR [dB]	80	73	64	38	20	15
ELFEXT [dB]	86	78	67	47	37	33
PS ELFEXT [dB]	83	75	64	45	34	30
Return loss [dB]	27	32	32	30	25	25

These performance data are typical measured values.

Mechanical Characteristics

Bending radius	- during draw-in	≥ 45 mm
	- permanently installed	≥ 22,5 mm
Tensile strength		≤ 91 N
Crush resistance		≥ 1000 N/10 cm
Impact		≥ 10 Impacts
Temperature range	- during installation	0°C to + 50°C
	- in operation	-20°C to + 60°C

Environmental conditions

Zero halogen	FRNC/LSOH-Variant according to IEC 60754-2
Smoke density	FRNC/LSOH-Variant according to IEC 61034
Burning characteristics	according to IEC 60332-1

General Characteristics

Wire colour code	white - blue/blue white - orange/orange white - green/green white-brown/brown (ring marked) according to IEC 189 and IEC 708
Printing	DAETWYLER UNINET 662 4P UTP CAT6 AWG 24 FR/PVC resp. DAETWYLER UNINET 662 4P UTP CAT6 AWG 24 FRNC/LSOH (+Batch number+meter marks)
Zero halogen	IEC 60754-1/-2, EN 50267-2-1/-2-2,
non corrosive gases	VDE 0482-267-2-1/-2-2 (acc. to FRNC/LSOH)
Flame retardant	IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2
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) (acc. to FRNC/LSOH)
Cat./Class	better than Cat.6, Class E