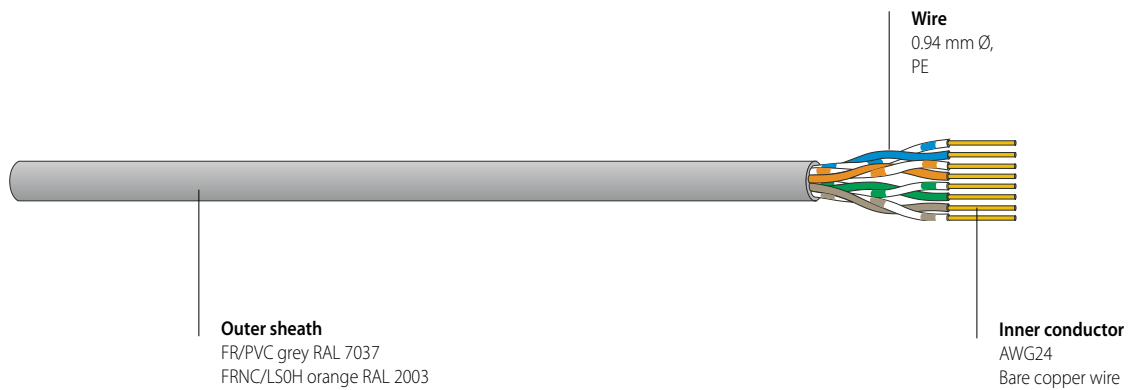


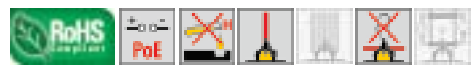
UNSHIELDED DATA CABLE

Data cable U/UTP Cat.5e AWG24

CU 502 4P



PRODUCT INFORMATION



FEATURES

Electrically and mechanically high-quality Cat 5e cable - fulfils the requirements of ISO/IEC 11801, IEC 61156-5, EN 50173-1 and EN 50288-3-1.
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 D applications (100 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	
388495	4 x 2 x 0,51 (AWG24)	FR/PVC ¹⁾	5,5	33,6	18,1	0,14	0,49	305 m pull quick
388500	4 x 2 x 0,51 (AWG24)	FRNC/LSOH ²⁾	5,5	33,8	18,1	0,12	0,43	305 m pull quick
388493	4 x 2 x 0,55 (AWG24)	FR/PVC ¹⁾	5,5	33,6	18,1	0,14	0,49	500 m drum
388501	4 x 2 x 0,55 (AWG24)	FRNC/LSOH ²⁾	5,5	33,8	18,1	0,12	0,43	500 m drum

¹⁾ FR/PVC = Flame Retardant / Polyvinyl Chloride

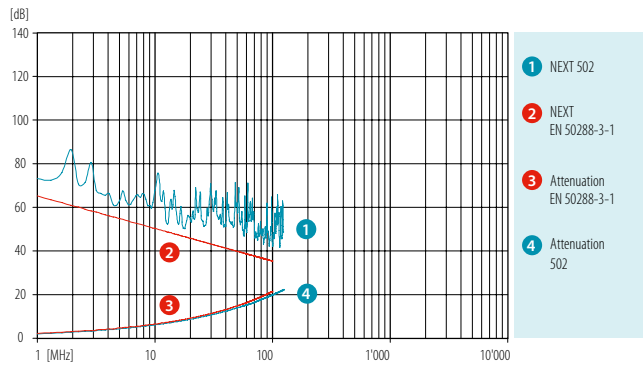
²⁾ FRNC/LSOH = Flame Retardant Non Corrosive / Low Smoke Zero Halogen

ELECTRICAL CHARACTERISTICS

CATEGORY	5e				
Frequency [MHz]	1	4	10	100	125
Attenuation [dB/100m]	1.9	3.7	6.0	19.8	22.3
NEXT [dB]	71	61	55	40	39
PS NEXT [dB]	68	58	52	37	36
ACR-N [dB]	69	57	49	20	17
PS-ACR-N [dB]	66	54	46	17	14
ACR-F [dB]	76	68	57	34	32
PS-ACR-F [dB]	73	65	54	31	29
Return loss [dB]	26	29	30	27	26

These performance data are typical measured values.

Loop resistance at 20° C: 170 Ω/km
 Mutual capacitance: 50 pF/m
 Impedance at 100 MHz: 100 Ω ±5 Ω
 NVP: 66 %



MECHANICAL CHARACTERISTICS

Bending radius during draw-in: ≥ 44 mm
 permanently installed: ≥ 22 mm
 Tensile strength: ≤ 87 N
 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 (ring marked)
 in accordance with IEC 60189 and IEC 60708

Imprint DATWYLER «cable type» «additional text» «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) - applies to FRNC/LSOH
 Flame propagation IEC 60332-1-2, EN 60332-1-2 (VDE 0482-332-1-2)
 Smoke density IEC 61034-1/-2, EN 61034-1/-2
 (VDE 0482-1034-1/-2) - applies to FRNC/LSOH
 Power over Ethernet IEEE 802.3af
 Cat./Class better than Cat.5e / Class D