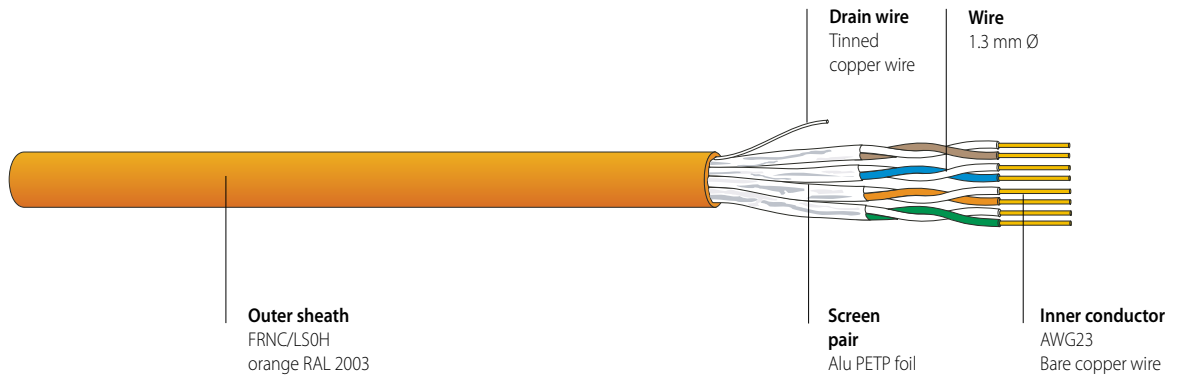
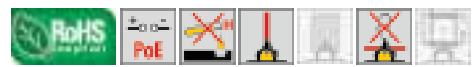


**COPPER DATA CABLES, SHIELDED**

**Data cable U/FTP Cat.6 AWG23**  
**CU 6002 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 and EN 50288-5-1.  
 Good shielding effect due to individually screened 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	Sheath	Sheath Ø	Weight	Cu weight	Fire load		PU
	n x n x mm (AWG)					kWh/m	MJ/m	
182936	4 x 2 x 0.55 (AWG 23)	FRNC/LSOH <sup>1)</sup>	7.0	47.8	20.0	0.15	0.55	1000 m drum

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

Copper

Fibre Optics

Cabinets & Racks

Data Centre

Wireless

Multimedia

General Information

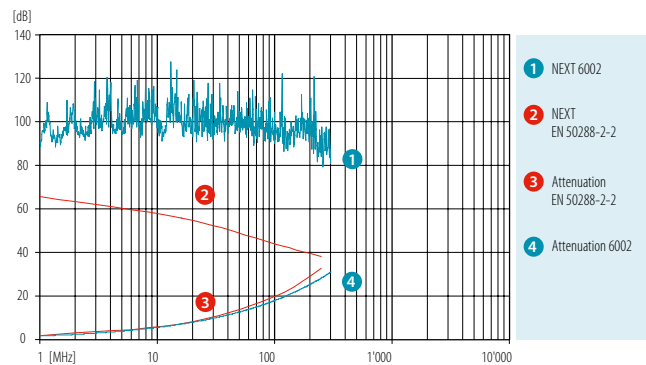
CU 6002 4P 0312/e

**ELECTRICAL CHARACTERISTICS**

CATEGORY	5e			6	
Frequency [MHz]	1	4	10	100	250
Attenuation [dB/100m]	2.1	3.8	5.9	19.8	30
NEXT [dB]	93	93	93	93	83
PS NEXT [dB]	90	90	90	90	80
ACR-N [dB]	91	89	87	73	53
PS-ACR-N [dB]	88	86	84	70	50
ACR-F [dB]	96	96	96	74	56
PS-ACR-F [dB]	93	93	93	71	53
Return loss [dB]	26	28	30	30	27

These performance data are typical measured values.

Loop resistance at 20° C: 150 Ω/km  
 Mutual capacitance: 42 pF/m  
 Impedance at 100 MHz: 100 Ω ±5 Ω  
 Transfer impedance at 1/10/30 MHz: < 50/100/200 mΩ/m  
 Coupling attenuation (limit curve of critical state - IEC 61156): ≥ 55 dB  
 Near end unbalance attenuation LCL: > 40 dB  
 Delay Skew: 5 ns/100 m  
 NVP: 79 %



**MECHANICAL CHARACTERISTICS**

Bending radius during draw-in: ≥ 56 mm  
 permanently installed: ≥ 28 mm  
 Tensile strength: ≤ 95 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

**GENERAL CHARACTERISTICS**

Wire colour code white/blue  
 white/orange  
 white/green  
 white/brown  
 in accordance with IEC 60189 and IEC 60708

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

Zero halogen,  
 non corrosive gases  
 Flame propagation  
 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 61034-1/-2, EN 61034-1/-2 (VDE 0482-1034-1/-2)  
 IEEE 802.3af  
 shielded  
 Cat.6 / Class E