Data sheet

IE-C5ED8UB-1000

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



Bulk stock, copper cable, flexible, 4 x 2 x AWG 26/7, Cat. 5, PUR, drag-chain compatible

General ordering data

Version	Dragline cable, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 1000 m
Order No.	2781880000
Type	IE-C5ED8UB-1000
GTIN (EAN)	4064675056669
Qty.	1 items

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Technical data

Approvals

ROHS	Conform

Dimensions and weights

Length	1000 m	Length (inches)	39370.0787 inch
Net weight	54.2 g		

Temperatures

Storage temperature	-40 °C...80 °C	Operating temperature	-40 °C...80 °C
Installation temperature	-40 °C...80 °C		

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Technical specifications for cable

Sheathing colour	blue (RAL 5015)	Resistance to oils	in accordance with IEC 60811-2-1
Halogen	halogen-free, according to IEC 60754-2	Acceleration	5 m/s²
Bending cycles	5 Mio	Resistance to spread of flame	in accordance with IEC 60332-1
Speed	180 m/min	Test voltage: wire-wire-shield	700 Vrms, 50 Hz, 1 min
Torsion resistance	30 °/m	Number of poles	8

Cable specific standards

Standard, insulating material	DIN EN 50290-2-25 (HD 624.5)	Standard, wire material	DIN EN 13602 Cu-ETP-A
Standard, assembly	UL-Style 20963 (80°C/30V)	Standard, shielding material	DIN EN 13602 Cu-ETP-A..B
Impervious to smoke	According to IEC 61034-2		

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Cable structure

Strands	7	Sheathing colour	blue (RAL 5015)
Standard designations	LI9Y(ST)C11Y 4X2X0.14 VZN GN, SF/UTP	Cross-section	4*2*AWG 26/7 - 4*2*0.128 mm²
Shielding	SF/UTP	Insulation cross-section	0.95 mm
Sheath diameter, max.	6.8 mm	Sheath diameter, min.	6.5 mm
Material sheath	PUR	Filler	As central element, Between the individual wire pairs
Arrangement of wire cores	Twisted pair	Wire core insulation thickness	0.23 mm

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Complete shielding	Plastic foil, Aluminium foil, Shielding braid made from copper wiring	Overlap of shielding braid	90 %
Wire material	Stranded tin-plated copper wire	Sheathing material thickness	0.85 mm
Colour sequence or wires - wire pairs	white/blue - blue, white/ orange - orange, white/ green - green, white/ brown - brown	Shielding braid thickness	0.1 mm

Electrical properties of cable

Category	Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B)	Speed	180 m/min
Loop resistance	290 Ω/km	Signal propagation time	5.55 ns/m
Test voltage: wire-wire-shield	700 Vrms, 50 Hz, 1 min	Capacity at 800 Hz	50 nF/km
Resistance differential	2 %	Operating voltage, UL	30 V
Delay skew	40 ns/100m	Operating voltage (UL rating)	30 V
Transfer impedance	100 mΩ/m at 10 MHz	Characteristic impedance	100 ± 15 Ω at 1–100 MHz

Mechanical and material properties of cable

Resistance to oils	in accordance with IEC 60811-2-1	Silicone-free	Yes
UV-resistant	Yes	Pulling force	≤ 100 N
Halogen	halogen-free, according to IEC 60754-2	Acceleration	5 m/s²
Min. bending radius, repetitive	60 mm	Abrasion resistance	very good
Bending cycles	5 Mio	Resistance to spread of flame	in accordance with IEC 60332-1
Speed	180 m/min	Fire propagation	No
Torsion resistance	30 °/m	Impervious to smoke	According to IEC 61034-2

Classifications

ETIM 8.0	EC003249	ETIM 9.0	EC003249
ETIM 10.0	EC003249	ECLASS 14.0	27-06-18-01
ECLASS 15.0	27-06-18-01		

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Drawings

Detailed drawing

