

IE-C7FS8LB-305M**Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmueller.com

www.weidmueller.com



Bulk stock, copper cable, flexible, Cat. 7

General ordering data

| | |
|------------|--------------------------------------------------|
| Version | System cable, Cat.7 (ISO/IEC 11801), LSZH, 305 m |
| Order No. | 1326540000 |
| Type | IE-C7FS8LB-305M |
| GTIN (EAN) | 4050118130652 |
| Qty. | 1 Stück |

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Technische Daten

Dimensions and weights

| | | | |
|------------|----------|-----------------|-----------------|
| Length | 305 m | Length (inches) | 12.007 874 inch |
| Net weight | 12,260 g | | |

Temperatures

| | | | |
|-----------------------------|----------------|-----------------------------|----------------|
| Storage temperature | -20 °C...60 °C | Operating temperature | -20 °C...60 °C |
| Operating temperature, min. | -20 °C | Operating temperature, max. | 60 °C |
| Installation temperature | 0 °C...50 °C | | |

Technical specifications for cable

| | | | |
|------------------|-----------------|--------------------------------|--------------------------------|
| Halogen | No | Insulation | PE |
| Number of wires | 8 | Resistance to spread of flame | in accordance with IEC 60332-1 |
| Sheathing colour | blue (RAL 5015) | Test voltage: wire-wire-shield | 2.5 kV / DC for 2 sec |

Cable specific standards

| | | | |
|----------------------------------------|---------------------------------------|---------------------|----------------|
| Generic communication cable facilities | ISO / IEC 11801:2002, EN 50173-1:2007 | Impervious to smoke | to IEC 60754-2 |
|----------------------------------------|---------------------------------------|---------------------|----------------|

General standards

| | |
|-------------------------|---------|
| Certificate no. (cULus) | E349758 |
|-------------------------|---------|

Standards

| | | | |
|----------------------------------------|---------------------------------------|---------------------|----------------|
| Generic communication cable facilities | ISO / IEC 11801:2002, EN 50173-1:2007 | Impervious to smoke | to IEC 60754-2 |
|----------------------------------------|---------------------------------------|---------------------|----------------|

Cable structure

| | | | |
|---------------------------|-----------------------------------------|---------------------------------------|------------------------------------------------------------|
| Arrangement of wire cores | Twisted pair | Colour sequence or wires - wire pairs | white - blue, white - orange, white - green, white - brown |
| Complete shielding | Shielding braid made from copper wiring | Copper diameter | 0.43 mm |
| Cross-section | 4*2*AWG 27/7 - 4*2*0.1 mm ² | Insulation | PE |
| Insulation cross-section | 1.04 | Material sheath | LSZH |
| Number of wires | 8 | Overlap of shielding braid | 60 % |
| Sheath diameter | 6.0 mm | Sheathing colour | blue (RAL 5015) |
| Shielding | S/FTP | Strands | 7 |
| Wire material | Non-insulated copper wire | | |

Electrical properties of cable

| | | | |
|-----------------------------------|---------------------|------------------------------------------|-----------------------|
| Capacity at 1 kHz | 44 nF/km | Category | Cat.7 (ISO/IEC 11801) |
| Characteristic impedance | 100 ± 5 Ω at 100MHz | Coupling attenuation up to 1000 MHz | 80 dB |
| Coupling resistance at 10 MHz / m | 5 mΩ | Deviation | 2.5 ns/100m |
| Loop resistance | 170 Ω/km | Operating voltage | 125 V max. |
| Resistance differential | 5 % | Separating class according to EN 50174-2 | d |
| Shield attenuation up to 1000 MHz | 60 dB | Test voltage: wire-wire-shield | 2.5 kV / DC for 2 sec |

Erstellungs-Datum June 1, 2023 3:56:28 PM CEST

Katalogstand 26.05.2023 / Technische Änderungen vorbehalten

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www.weidmueller.com IEC 60754-2

Pulling force max. 40 N

Technische Daten

Mechanical and material properties of cable

| | | | |
|--------------------------------|--------------------------------|---------------------|---------------------|
| Halogen | No | Impervious to smoke | www.weidmueller.com |
| Min. bending radius, once only | 5 x cable diameter | Pulling force | max. 40 N |
| Resistance to spread of flame | in accordance with IEC 60332-1 | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000830 | ETIM 7.0 | EC003249 |
| ETIM 8.0 | EC003249 | ECLASS 9.0 | 27-06-18-05 |
| ECLASS 9.1 | 27-06-90-90 | ECLASS 10.0 | 27-06-18-01 |
| ECLASS 11.0 | 27-06-18-01 | ECLASS 12.0 | 27-06-18-01 |

Approvals

Approvals



| | |
|-------------------------|------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate no. (cULus) | E349758 |

Downloads

| | |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | TSN - CC-Link CabinetLine Raw cable Certificate Field - CC-Link CabinetLine Raw cable Certificate Control - CC-Link CabinetLine Raw cable Certificate |
| User Documentation | MAN IE GUIDE DE MAN IE GUIDE EN |
| Catalogues | Catalogues in PDF-format |
| Brochures | FL FIELDWIRING EN PI PROFINET CABLING EN PI PROFINET CABLING EN |

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Zeichnungen

Detailed drawing

