

IE-C5ED8UG0200A40A40-E

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

www.weidmueller.com



General ordering data

| | |
|------------|--|
| Version | Dragline cable, RJ45 IP 20, RJ45 IP 20, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 20 m |
| Order No. | 1345030200 |
| Type | IE-C5ED8UG0200A40A40-E |
| GTIN (EAN) | 4050118268218 |
| Qty. | 1 pc(s). |

Creation date March 13, 2023 1:25:45 PM CET

Catalogue status 03.03.2023 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

| | | | |
|------------|---------|-----------------|--------------|
| Length | 20 m | Length (inches) | 787.402 inch |
| Net weight | 1,085 g | | |

Temperatures

| | | | |
|-----------------------------|----------------|-----------------------------|----------------|
| Storage temperature | -40 °C...80 °C | Operating temperature | -40 °C...80 °C |
| Operating temperature, min. | -40 °C | Operating temperature, max. | 80 °C |
| Installation temperature | -40 °C...80 °C | | |

Cable specific standards

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

Cable structure

| | | | |
|--------------------------------|---|---------------------------------------|--|
| Arrangement of wire cores | Twisted pair | Colour sequence or wires - wire pairs | white/blue - blue, white/ orange - orange, white/ green - green, white/ brown - brown |
| Complete shielding | Plastic foil, Aluminium foil, Shielding braid made from copper wiring | Cross-section | 4*2*AWG 26/7 - 4*2*0.128 mm ² |
| Filler | As central element, Between the individual wire pairs | Insulation cross-section | 0.95 mm |
| Material sheath | PUR | Overlap of shielding braid | 90 % |
| Sheath diameter, max. | 6.8 mm | Sheath diameter, min. | 6.5 mm |
| Sheathing colour | green (RAL 6018) | Sheathing material thickness | 0.85 mm |
| Shielding | SF/UTP | Shielding braid thickness | 0.1 mm |
| Standard designations | LI9Y(ST)C11Y 4X2X0.14 VZN GN, SF/UTP | Strands | 7 |
| Wire core insulation thickness | 0.23 mm | Wire material | Stranded tin-plated copper wire |

Electrical properties of cable

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

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Mechanical and material properties of cable

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

Plug

| | | | |
|-----------|---|------------|---|
| Plug left | RJ45, IP20, male contact, straight, Plastic, shielded | Plug right | RJ45, IP20, male contact, straight, Plastic, shielded |
|-----------|---|------------|---|

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC002599 | ETIM 7.0 | EC002599 |
| ETIM 8.0 | EC002599 | ECLASS 9.0 | 27-06-03-08 |
| ECLASS 9.1 | 27-06-03-08 | ECLASS 10.0 | 27-06-03-08 |
| ECLASS 11.0 | 27-06-03-08 | ECLASS 12.0 | 27-06-03-08 |

Approvals

| | |
|------|---------|
| ROHS | Conform |
|------|---------|

Downloads

| | |
|--------------------|---|
| Engineering Data | CAD data – STEP |
| User Documentation | MAN IE GUIDE DE MAN IE GUIDE EN |
| Catalogues | Catalogues in PDF-format |
| Brochures | FL FIELDWIRING EN PI PROFINET CABLING EN |