

Industrial Ethernet
IE-C5ES8UG0030M40M40-G

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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Germany
Fon: +49 5231 14-0
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Assembled cables, patch cable Cabinet Line, Cat. 5, PUR, green

General ordering data

| | |
|------------|---|
| Type | IE-C5ES8UG0030M40M40-G |
| Order No. | 1166000030 |
| Version | System cable, RJ45 IP 20, RJ45 IP 20, Cat.5 (ISO/IEC 11801), PUR, 3 m |
| GTIN (EAN) | 4032248956562 |
| Qty. | 1 pc(s). |

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Technical data
Dimensions and weights

| | | | |
|------------|-------|--------------------------|------------|
| Length | 3 m | Length (inches) | 0.118 inch |
| Net weight | 140 g | Insulation cross-section | 0.98 mm |

Temperatures

| | | | |
|-----------------------------|----------------|-----------------------------|--------|
| Operating temperature, max. | 75 °C | Operating temperature, min. | -40 °C |
| Operating temperature | -40 °C...75 °C | Storage temperature | |
| Installation temperature | -10 °C...60 °C | | |

Electrical properties

| | |
|------------|----------------------------|
| PoE / PoE+ | conforming to IEEE 802.3at |
|------------|----------------------------|

Standards

| | | | |
|----------------------------------|--|------------------------|-------------------------------|
| Fire safety for railway vehicles | According to DIN 5510-2 fire safety levels 1,2,3,4 | Corrosiveness of fumes | DIN EN 50267-2-3, IEC 60754-2 |
| Connector standard | IEC 60603-7-5 1 | | |

Cable structure

| | | | |
|---------------------------------------|--|-----------------------|----------------|
| Wire material | Stranded tin-plated copper wire | Strands | 7 |
| Cross-section | 4*2*AWG 26/7 - 4*2*0.128 mm ² | Insulation | PE |
| Insulation cross-section | 0.98 mm | No. of wires | 8 |
| Arrangement of wire cores | Twisted pair | Wire pair shielding | Aluminium foil |
| Colour sequence or wires - wire pairs | white/blue - blue, white/ orange - orange, white/ green - green, white/ brown - brown | Shielding | SF/UTP |
| Complete shielding | Shielding braid made from copper wiring | Material sheath | PUR |
| Sheath diameter, min. | 5.6 mm | Sheath diameter, max. | 6 mm |
| Sheathing colour | green (RAL 6018) | | |

Electrical properties of cable

| | | | |
|----------|-----------------------|--------------------------------|-----------------|
| Category | Cat.5 (ISO/IEC 11801) | Test voltage: wire-wire-shield | 750 V DC, 1 min |
|----------|-----------------------|--------------------------------|-----------------|

Mechanical and material properties of cable

| | | | |
|--------------------------------|--|---------------------------------|--------------------------------|
| Min. bending radius, once only | 5 *diameter | Min. bending radius, repetitive | 10 *diameter |
| Abrasion resistance | very good | Resistance to spread of flame | in accordance with IEC 60332-1 |
| Resistance to oils | EN 50305 | Silicone-free | Yes |
| Halogen | halogen-free, according to IEC 60754-2 | Corrosiveness of fumes | DIN EN 50267-2-3, IEC 60754-2 |

plug

| | | | |
|----------------|------------|-----------------|------------|
| Connector left | RJ45 IP 20 | Connector right | RJ45 IP 20 |
|----------------|------------|-----------------|------------|

Data sheet**Industrial Ethernet
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Technical data**Classifications**

| | | | |
|------------|-------------|------------|-------------|
| ETIM 4.0 | EC001262 | ETIM 5.0 | EC001262 |
| ETIM 6.0 | EC002599 | eClass 6.2 | 27-06-03-90 |
| eClass 7.1 | 27-06-18-01 | eClass 8.1 | 27-06-18-01 |
| eClass 9.0 | 27-06-18-01 | eClass 9.1 | 27-06-03-08 |

Approvals

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

Data sheet

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Drawings

Wiring

| | | | | |
|------|---|---------------|---|------|
| RJ45 | 1 | white, orange | 1 | RJ45 |
| | 2 | orange | 2 | |
| | 3 | white, green | 3 | |
| | 4 | blue | 4 | |
| | 5 | white, blue | 5 | |
| | 6 | green | 6 | |
| | 7 | white, brown | 7 | |
| | 8 | brown | 8 | |
