

IE-C5ES8VG0450A40A40-E

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

www.weidmueller.com



General ordering data

| | |
|------------|--|
| Version | System cable, RJ45 IP 20, RJ45 IP 20, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PVC, 45 m |
| Order No. | 1222890000 |
| Type | IE-C5ES8VG0450A40A40-E |
| GTIN (EAN) | 4050118006384 |
| Qty. | 1 items |

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Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

| | | | |
|------------|--------|-----------------|----------------|
| Length | 45 m | Length (inches) | 1771.6535 inch |
| Net weight | 1622 g | | |

Temperatures

| | | | |
|--------------------------|----------------|-----------------------|----------------|
| Storage temperature | -40 °C...75 °C | Operating temperature | -40 °C...80 °C |
| Installation temperature | 0 °C...50 °C | | |

Environmental Product Compliance

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

Cable structure

| | | | |
|---------------------------------------|--|--------------------------------|------------------------------------|
| Strands | 7 | Sheathing colour | green (RAL 6018) |
| Cross-section | 4*2*AWG 26/7 - 4*2*0.128 mm ² | Shielding | SF/UTP |
| Number of wires | 8 | Insulation cross-section | 1 mm |
| Insulation | PE | Sheath diameter, max. | 6.1 mm |
| Sheath diameter, min. | 5.7 mm | Material sheath | PVC |
| Arrangement of wire cores | Twisted pair | Wire core insulation thickness | 0.25 mm |
| Complete shielding | Aluminium foil, Shielding braid made from copper wiring | Diameter of wire pair | 2.00 mm |
| Overlap of shielding braid | 65 % | Wire material | Stranded tin-plated copper wire |
| Colour sequence or wires - wire pairs | white - blue, white - orange, white - green, white - brown | Shielding braid thickness | 0.1 mm |

Electrical properties of cable

| | | | |
|--------------------------------|--|-------------------------|-------------------|
| Category | Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B) | Capacity at 1 kHz | 47 nF/km |
| Loop resistance | 290 Ω/km | Signal propagation time | 4.85 ns/m |
| Test voltage: wire-wire-shield | 700 V AC | Resistance differential | 3 % |
| Delay skew | 25 ns/100m | Transfer impedance | 10 mΩ/m at 10 MHz |
| Characteristic impedance | 100 ± 5 Ω at 100MHz | | |

Mechanical and material properties of cable

| | | | |
|--------------------------------|-----------------------------------|---------------------------------|---------------------|
| Halogen | Yes | Min. bending radius, repetitive | 10 x cable diameter |
| Min. bending radius, once only | 5 x cable diameter | Abrasion resistance | good |
| Resistance to spread of flame | in accordance with IEC 60332-1 | Fire propagation | No |

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Plug

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

Plug, left

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

Plug, right

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

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC002599 | ETIM 9.0 | EC002599 |
| ETIM 10.0 | EC002599 | ECLASS 14.0 | 27-06-03-08 |
| ECLASS 15.0 | 27-06-03-08 | | |