

3UK4
 (DUXR communications-circuit
 Accessories)



Basic features

Application	Ethernet, CAT 6A
Approval/Conformity	CE cULus EAC WEEE

Electrical connection

Cable	PUR Shielded green, 30 m
Cable diameter D	6.20 mm ±0.20 mm
Cable, note	Ethernet, CAT 7 by IEC 60332-1
Conductor cross-section	26 AWG
Connection 1	RJ45-Male, straight, 8-pin
Connection 2	RJ45-Male, straight, 8-pin
Number of conductors	8
System	assembled/assembled

Electrical data

Conductor construction	4x2 twisted-pair
Conductor resistance	≤ 145 Ohm/km at 20 °C
Coupling resistance max.	1Ω /m at 100 MHz
Isolation resistance	≥ 150 MOhm x km at 20 °C
Operating capacitance	nom. 46nF/km at 1kHz
Operating voltage U_b	60 VDC / 50 VAC
Rated current (40 °C)	0.5 A
Surge impedance	100 Ohm ±22 Ohm at 100 MHz
Transfer rate	10 Gbit/s

Environmental conditions

Cable temperature, fixed routing	-40...85 °C
Cable temperature, flexible routing	-10...60 °C
Protection degree	IP20/IP20

Material

Cable jacket material, note	Shielded
Cable jacket, material	PUR
Cable shield	Aluminum foil and copper braid
Material contacts	Bronze/Bronze
Material grip	PVC/PVC

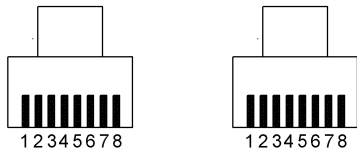
Mechanical data

Cable jacket, color	Green
Cable length L	30.00 m

Remarks

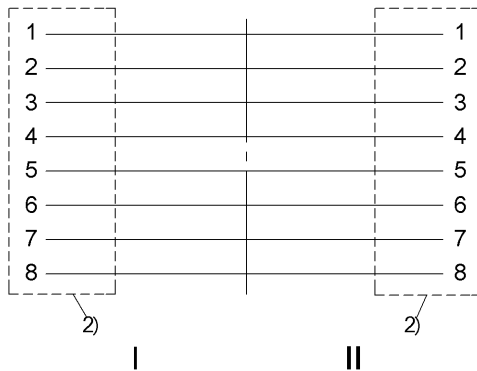
Flame resistance acc. to IEC 60332-1
 Halogen-free per IEC 60754
 Enclosure rating per IEC 60529 or ISO 20653, only in screwed state with the associated mating piece.

Connector Drawings



- | | |
|---------------|---------------|
| I | II |
| PIN 1: white | PIN 1: white |
| PIN 2: orange | PIN 2: orange |
| PIN 3: white | PIN 3: white |
| PIN 4: blue | PIN 4: blue |
| PIN 5: white | PIN 5: white |
| PIN 6: green | PIN 6: green |
| PIN 7: white | PIN 7: white |
| PIN 8: brown | PIN 8: brown |

Wiring Diagrams



2) Shield on housing