

1) from cable drum



Basic features

Approval/Conformity CE

Electrical connection

Bending radius min., fixed cable 7.5 x D
 Bending radius min., flexible cable 12 x D
 Cable PUR Shielded Green, 100 m, drag chain compatible
 Cable diameter D 6.70 mm ±0.20 mm
 Cable, bending cycles min. 3 mil.
 Cable, note Profinet Type C, CAT 5E by IEC 61156-6
 Conductor cross-section 22 AWG
 Number of conductors 4

Electrical data

Conductor resistance ≥ 140.0 Ohm/km at 20 °C
 Isolation resistance ≥ 500 MOhm x km
 Operating capacitance nom. 30pF/m at 800Hz
 Operating voltage U_b 300 VAC
 Stranding Star quad
 Surge impedance 100 Ohm ±15 Ohm/pairs 1 MHz-100MHz
 Transfer rate 10/100 Mbit/s

Remarks

Cable construction acc. to UL-AWM Style 20549
 Flame resistance acc. to IEC 60332-1
 Halogen-free acc. to IEC 60754-1

Environmental conditions

Cable temperature, fixed routing -20...80 °C
 Cable temperature, flexible routing -20...50 °C

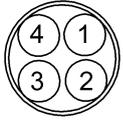
Material

Cable jacket material, note Shielded
 Cable jacket, material PUR
 Cable shield Copper braid, tin-plated

Mechanical data

Cable jacket, color Green
 Cable length L 100.00 m
 Cable properties drag chain compatible
 Horizontal travel permitted, drag chain 5 m at 5 m/s²
 Traverse speed max., drag chain 20 m/min
 Vertical travel permitted, drag chain 2 m at 5 m/s²

Connector Drawings



Conductor diagram
Conductor 1: yellow
Conductor 2: white
Conductor 3: orange
Conductor 4: blue