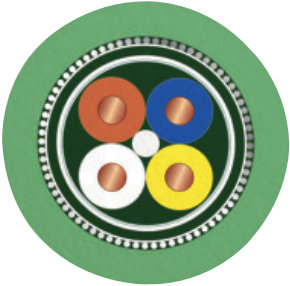
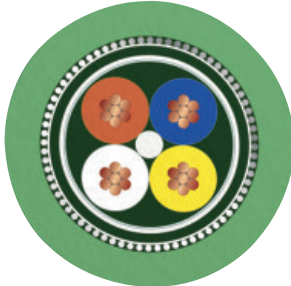


NETWORK COMPONENT - NETWORK CABLE

Network cable, PROFINET, shielding

		45A	Single share	45B	Event installation
					
					
					
Order data		PVC	1x4xAWG22/1	PVC	1x4xAWG22/7
		Model	Order Number	Model	Order Number
100m		PN-OE-OE-45A/L0100	1101000100	PN-OE-OE-45B/L0100	1102000100
Customizable		PN-OE-OE-45A/L0000	1101000000	PN-OE-OE-45B/L0000	1102000000
Technical parameters					
Applied to	Transmission characteristics (Category) Cable structure Ambient temperature (operating)	PROFINET CAT5 (IEC 11801), 100 Mbps 1x4xAWG22/1; SF/TQ -25 °C ... 80 °C (Cable, fixed installation) -40 °C ... 70 °C (Cable, movable installation)		PROFINET CAT5 (IEC 11801), 100 Mbps 1x4xAWG22/7; SF/TQ -40 °C ... 70 °C (Cable, fixed installation) -40 °C ... 70 °C (Cable, movable installation)	
Conductor	Ambient temperature (operating) Cross-section of the conductor Wire material Wire resistance	22 / 1x 0.65 mm 4x 0.34 mm² Tin-plated copper stranded wire ≤ 57.1 Ω/km		22 / 7x 0.25 mm 4x 0.34 mm² Tin-plated copper stranded wire ≤ 54.4 Ω/km	
Core wire	Wire insulation material Core diameter (including insulation layer) Twisted pair cable Main twisted pair Wire color Digit number	PE 1.5 mm ± 0.05 mm Star-twisted four-wire set White, yellow, blue, orange 4		PE 1.55 mm Star-twisted four-wire set White, yellow, blue, orange 4	
Block	Block Shielding coverage rate	Aluminum foil coated, tin-plated copper shielding mesh 90 %		Aluminum foil coated, tin-plated copper shielding mesh 85 %	
Sheath	Outer sheath, material Outer sheath, color Thickness of the external sheath Cable outer diameter D	PVC green RAL 6018 6.5 mm ± 0.2 mm		PVC green RAL 6018 6.5 mm ± 0.2 mm	
Characteristics	Insulation resistance Coupling resistance Nominal voltage of the cable Core wire withstand voltage test Ambient temperature (installation) Ambient temperature (storage/transportation) Oil resistance Wave impedance Minimum bending radius, movable installation Short-term/long-term tension strength Signal running time Flame retardant Cable weight Cable capacity Halogen-free UL AWM form Minimum bending radius, fixed installation Cable length	< 10.00 mΩ/m (10 MHz) 300 V 2500 V DC -5 °C ... 50 °C -40 °C ... 80 °C In line with DIN EN 60811-2-1 100 Ω ± 5 Ω (1...100 MHz) 5.3 ns/m In line with VW-1 62kg/km 2464 (80°C/300 V) 100 m		≤ 20.00 mΩ/m (10 MHz) 600 V 2000 V (50Hz, 1min) -20 °C ... 60 °C -50 °C ... 70 °C It can prevent oil to a certain extent 100 Ω ± 15 Ω (100 MHz) 5.3 ns/m In line with VW-1 62kg/km 21694 100 m	

NETWORK COMPONENT - NETWORK CABLE

Network cable, PROFINET, shielding

45C		Drag chain	45R		Mechanical hand	45T		rail traffic
								
PUR		1x4xAWG22/7	PUR		1x4xAWG22/19	PE-X		1x4xAWG22/7
Model		Order Number	Model		Order Number	Model		Order Number
PN-OE-OE-45C/L0100		1103000000	PN-OE-OE-45R/L0100		1104000100	PN-OE-OE-45T/L0100		1105000100
PN-OE-OE-45C/L0000		1103000000	PN-OE-OE-45R/L0000		1104000000	PN-OE-OE-45T/L0000		1105000000
PROFINET CAT5 (IEC 11801: 2002), 100 Mbps 1x4xAWG22/7; SF/TQ -40 °C ... 70 °C (Cable, fixed installation) -40 °C ... 70 °C (Cable, movable installation)			PROFINET CAT5 (IEC 11801: 2002), 100 Mbps 1x4xAWG22/19; S/TQ -40 °C ... 80 °C (Cable, fixed installation) -40 °C ... 80 °C (Cable, movable installation)			PROFINET CAT5 (IEC 11801), 100 Mbps 1x4xAWG22/7; SF/TQ -50 °C ... 90 °C (Cable, fixed installation) -40 °C ... 90 °C (Cable, movable installation)		
22 / 7x 0.25 mm 4x 0.34 mm² Tin-plated copper stranded wire ≤ 54.4 Ω/km			22 / 19x 0.15 mm 4x 0.38 mm² Tin-plated copper stranded wire ≤ 54.4 Ω/km			22 / 7x 0.25 mm 4x 0.34 mm² Silver-plated copper stranded wire ≤ 54.4 Ω/km		
PE 1.5 mm Star-twisted four-wire set White, yellow, blue, orange 4			PE 1.5 mm Star-twisted four-wire set White, yellow, blue, orange 4			PE 1.5 mm Star-twisted four-wire set White, yellow, blue, orange 4		
Aluminum foil coated, tin-plated copper shielding mesh 85 %			The shielding net is made of tin-plated copper wire 85 %			Aluminum foil with plastic coating, tin-plated copper shielding net 85 %		
PUR green RAL 6018 0.9mm 6.5 mm ±0.2 mm			PUR green RAL 6018 1mm 6.5 mm ±0.2 mm			PE-X black RAL 9005 1mm 6.6 mm ±0.4 mm		
≥500mΩ/KM ≤ 20.00 mΩ/m (10 MHz) 600 V 2000 V (50Hz, 1min) -20 °C ... 60 °C -50 °C ... 70 °C In line with DIN EN 60811-2-1 Standard 100 Ω ±15 Ω (1...100 MHz) 7.5xD ≤150N 5.3 ns/m In line with IEC 60332-1-2 61kg/km 5xD 100 m			≥500mΩ/KM 300 V 2000 V (50Hz, 1min) -20 °C ... 60 °C -40 °C ... 80 °C In line with DIN EN 60811-2-1 Standard 100 Ω ±15 Ω (100 MHz) 7.5xD 4.8 ns/m In line with IEC 60332-1-2 55kg/km In line with IEC60754-1 20233(80°C/300V) 5xD 100 m			100.00 mΩ/m (f≤ 30 MHz) 300 V DC -25 °C ... 90 °C -25 °C ... 90 °C At 100°C for 72 hours, IRM903 100 Ω ±15 Ω (f=100MHz) 10×D In line with EN 60332-1-2/EN 50266 70kg/km In line with EN 50267-2-1 6xD 100 m		