

INDUSTRIAL SPE



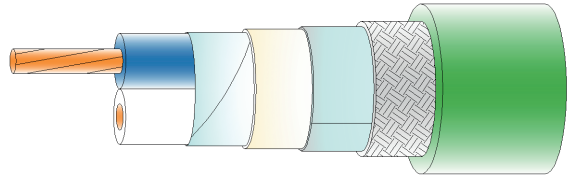
According to the transmission requirements, solutions from 10 Mbit/s up to 1 Gbit/s are available. For Ethernet-APL™ applications we recommend AWG18 either with conventional or easy-to-install fast-connect technology. Cables for installation in intrinsically safe circuits with the same transmission characteristics are preferably marked with a blue outer jacket.

In the near future typical signal and Ethernet Cables (100 Mbit/s and more) are substituted by SPE. Typically from AWG26–AWG22 (AWG22 per PROFINET standard). Cables for torsional stress are available with 100 Mbit/s for at least 5 Mio cycles.

Hybrid cables for the new connector standards are available on request. They are going to be individually tailored according to each customer's demands.

Part number	Type	Transmission	UL	Sheath	Weight [g/m]	OD Ø [mm]
190128	INDUSTRIAL SPE T1-B flex 2xAWG24-100 FR-PVC GN c(UR)us AWM 21695	IEC 61156-12 T1-B 600 MHz	In preparation – planned: AWM 21695 80°C 600V I/II A/B FT1	PVC	35	5.3
190623	INDUSTRIAL SPE T1-B flex 2xAWG24-100 FR-PUR GN c(UR)us AWM 21238	IEC 61156-12 T1-B 600 MHz	In preparation – planned: AWM 21238 80°C 600V I/II A/B FT1	PUR	32	5.3
186844	INDUSTRIAL SPE T1-B flex 2xAWG26-100 FR-PVC GN c(UR)us AWM 21695	IEC 61156-12 T1-B 600 MHz	AWM 21695 80°C 600V I/II A/B FT1	PVC	27	4.5
186845	INDUSTRIAL SPE T1-B flex 2xAWG26-100 FR-PUR GN c(UR)us AWM 21238	IEC 61156-12 T1-B 600 MHz	AWM 21238 80°C 600V I/II A/B FT1	PUR	25	4.5
176605	INDUSTRIAL SPE T1-B Torsion 2xAWG26-100 FR-PUR GN c(UR)us AWM 21238	IEC 61156-12 T1-B 600 MHz	AWM 21238 80°C 600V I/II A/B FT1	PUR	27	4.5
174690	INDUSTRIAL SPE T1-A 2xAWG18-100 FR-PVC BL (UL) PLTC c(UL)us CMG c(UR)us AWM 2570	IEC 61156-13 20 MHz	CMG 75°C, PLTC 75°C, AWM 2570 80°C 600V I/II A/B FT1	PVC	96	8.0
181559	INDUSTRIAL SPE T1-A flex 2xAWG18-100 FR-PVC BL (UL) PLTC c(UL)us CMG c(UR)us AWM 2570	IEC 61156-13 20 MHz	CMG 75°C, PLTC 75°C, AWM 2570 80°C 600V I/II A/B FT1	PVC	95	8.0
163600	INDUSTRIAL SPE T1-A flex 2xAWG18-100 FR-PUR BL c(UR)us AWM 21238	IEC 61156-13 20 MHz	AWM 21238 80°C 600V I/II A/B FT1	PUR	75	8.0





PROFINET 1 PAIR



The non-proprietary PROFINET standard allows for transmission rates of up to 1 Gbit/s. (PROFINET min. requirement of 100 Mbit/s). The exceptional feature of these cables lie in the use of an unchanging, continuous AWG22 cross-section, no matter if the indoor installation is fixed (Type A) or partly flexible (Type B).

We are proud to currently offer 1-pair products for easy-to-install fast-connect technology, as known from our standard 2-pair products. The premium product will be supplied with CMX Outdoor-CMG, PLTC-ER and an AWM external Style. (Outdoor, tray, exposed run and external interconnection applications.)

Part number	Type	Transmission	UL	Sheath	Weight [g/m]	OD Ø [mm]
192592	PROFINET Type A 1 Pair T1-C 2xAWG22-100 FR-PVC GN (UL) PLTC c(UL)us CM c(UR)us AWM 2570	IEC 61156-11 T1-C 1.25 GHz	CM 75°C, PLTC 75°C, AWM 21695 80°C 600V I/II A/B FT1	PVC	43	5.8
169390	PROFINET Type B 1 Pair T1-C flex 2xAWG22-100 FR-PVC GN (UL) PLTC c(UL)us CM c(UR)us AWM 2570	IEC 61156-11 T1-C 1.25 GHz	CM 75°C, PLTC 75°C, AWM 21695 80°C 600V I/II A/B FT1	PVC	43	5.8
192593	PROFINET Type A 1 Pair T1-C 2xAWG22-100 FC FR-PVC GN (UL) PLTC-ER c(UL)us CMX Outdoor-CMG c(UR)us AWM 2570	IEC 61156-11 T1-C 1.25 GHz	CMX Outdoor-CMG 75°C, PLTC-ER 75°C, AWM 2570 80°C 600V I/II A/B FT1	PVC	49	6.1
189985	PROFINET Type B 1 Pair T1-C flex 2xAWG22-100 FC FR-PVC GN (UL) PLTC-ER c(UL)us CMX Outdoor-CMG c(UR)us AWM 2570	IEC 61156-11 T1-C 1.25 GHz	CMX Outdoor-CMG 75°C, PLTC-ER 75°C, AWM 2570 80°C 600V I/II A/B FT1	PVC	49	6.1
186908	PROFINET Type B 1 Pair T1-B flex 2xAWG22-100 FR-PUR GN c(UR)us AWM 21223	IEC 61156-11 T1-B 600 MHz	AWM 21223 80°C 600V I/II A/B FT1	PUR	40	5.8
176625	PROFINET Type C 1 Pair T1-B Torsion 2xAWG22-100 FR-PUR GN c(UR)us AWM 21223	IEC 61156-11 T1-B 600 MHz delivery condition and IEC 61156-12 T1C 600 MHz flexible	AWM 21223 80°C 600V I/II A/B FT1	PUR	41	5.8

