

TABLE 2: Comparison of SPE 10BASE-T1 with Profibus PA

	Profibus PA / Foundation Fieldbus	SPE 10BASE-T1L
Cross Section	AWG 18 solid or stranded / AWG 16 stranded	
Max. Distance	up to 1900 m non hazardous areas, up to 1000 m in hazardous areas (FISCO Power Supply to IEC 60079-11)	up to 1000 m (TI phy DP83TD510E > 2000 m Peer-to-Peer)
Impedance	100 +- 20 ohms @ 31,25 kHz	100 +- 15 ohms @ 20 MHz
Frequency Range	up to 39 kHz	up to 20 MHz
Max. Data Rate	31,25 kbit	10 Mbit
Typical Connector	M12 a-coded 4 PIN IP67 7/8 inch PI67	M8/M12 SPE IEC 63171-6