

Applications

■ Applications FEP cables









These cables are used for example in new technologies if high demands for resistance against chemicals and solvents must be fulfilled. Compared to ETFE, FEP has a slightly better resistance. Further advantages are the excellent temperature resistance and flexibility at cold temperatures as well as the good electrical insulating characteristics with low, nearly frequency-independent dielectric characteristics.

Exemplary applications:

TD 809 F	Applications in high-frequency and broad-band techniques, coaxial and microwave techniques, high information velocity with exact information transmission at the same time, chemical industry, furnace construction, brick works, heating appliances
TD 842 (ST) F	
TD 845 DS	
TD 846 DS TP	

ETFE, FEP, PFA CABLES

Selection index

		cable type			
		TD 809 F	TD 842 (ST) F	TD 845 DS	TD 846 DS TP
Basic construction	Connection cable	x	x	x	
	Data cable				x
	Copper strands acc. to ASTM B 286	x	x	x	x
	Color code acc. to US 4	x	x	x	
	Color code acc. to US 5				x
	Screened			x	x
	Twisted pairs				x
Temperature range static*	+ 180 °C				
	- 90 °C				
Voltage	Voltage UL 300 V	x	x	x	x
	Peak operating voltage max. 900 V	x	x	x	x
	Testing voltage 2000 V	x	x	x	x
Standards	UL approved	x	x	x	x
	Burning characteristics: flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2 and UL VW1	x	x	x	x
Characteristics	Oil resistance acc. to UL standard 758	x	x	x	x
	Very good chemical resistance	x	x	x	x

Temperature range:



*The temperature range for flexing is mentioned on the particular catalog page