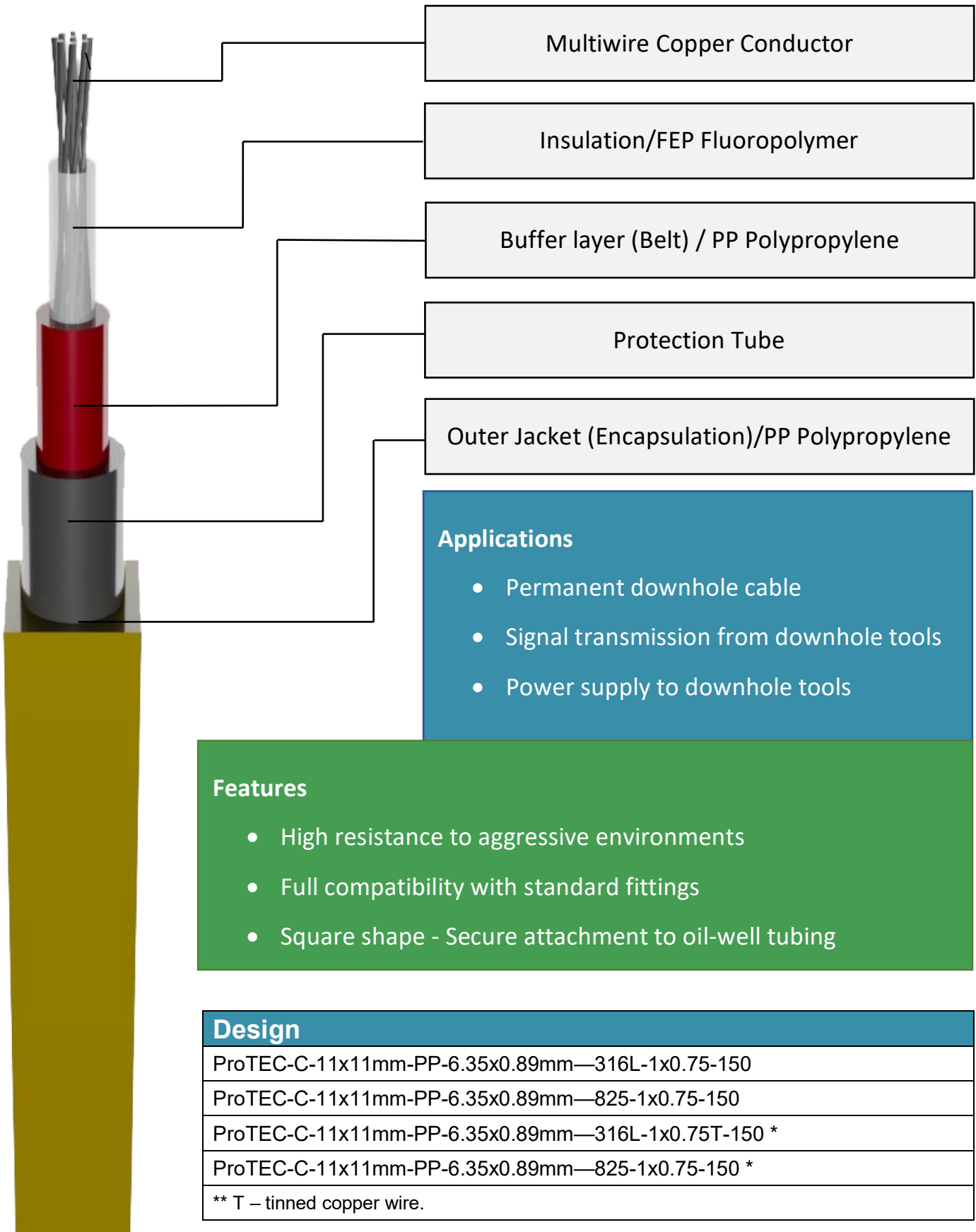


PRODUCT DATASHEET

ProTEC-C-11x11mm-PP-6.35x0.89mm-...-1x0.75-150



PRODUCT DATASHEET

ProTEC-C-11x11mm-PP-6.35x0.89mm-...-1x0.75-150



Operating parameters					
Operating temperature range			-76°F...+300°F	-60°C...+150°C	
Minimum installation temperature			-40°F	-40°C	
Rated breaking strength			2 200 LBF	10 kN*	
Maximum operation tension			1 100 LBF	5 kN*	
Rated collapse pressure for protection tube			30 000 psi	206 MPA	
Minimum bending radius without tensile load			10"	250 mm	
Minimum sheave diameter for maximum operation tension			18"	450 mm	
Electrical parameters					
Rated voltage			1000 VDC		
Maximum conductor electrical resistance (@20C/68F)			7.9 (8.1**) Ohm / 1000 ft	26 (26.5**) Ohm/km	
Insulation resistance (central conductor to tube) (@20C/68F)			>9500 MOhm*kft	>2900 MOhm*km	
Capacitance			27 pF/ft	88 pF/m*	
Protection tube electrical resistance			16.8 Ohm/1000 ft	55 Ohm/km	
** value in brackets for option with tinned copper wire					
Design details					
Conductor equivalent AWG number / Cross section			AWG19	0.75 mm ²	
Copper conductor type (number of wires x diameter)			(7x0.015")	(7x0.38 mm)	
Insulation diameter			0.18"	4.57 mm	
Protection tube total wall thickness			0.035"	0.89 mm	
Protection tube outer diameter			0.25" (±0.004")	6.35 mm (± 0.10 mm)	
Encapsulation size			0.433" X 0.433"	11 x 11 mm	
Cable weight			156 lb / 1000 ft	232 kg/km	
Encapsulation characteristic (for reference)					
Material type	Maximum temperature range		Abrasion resistance	Resistance to brines	Resistance to hydrocarbons
			Relative resistance (1-bad...5-very good)		
Polypropylene	+300°F	+150°C	3	5	3
Fluoropolymer ETFE	+300°F	+150°C	5	5	5
Polyamid	+275°F	+135°C	5	3	5