

PRRT SERIES

**Extreme Performance Flexible
PUR Power and Control Reeling
Cable 0.6/1kV 90°C**



APPLICATIONS:

Trailing With its super tough PUR sheath with interwoven synthetic yarn, this cable is suitable for trailing applications.

Mine Sites Suitable for use in surface mining, stone pits and other heavy industrial applications.

Vertical Suspension With the interwoven synthetic yarn, this cable is suitable for vertically suspended applications such as vertical cable reelers.

Materials and Handling Systems Suitable for use in cable reelers, ship loaders, gantry cranes, stackers and reclaimers, hoists and magnetic cranes.

Harsh Environments Suitable for magnet cranes in steelworks, smelters and sub-zero environments.

PRODUCT FEATURES:

- ▶ Significantly smaller external diameters
- ▶ Smaller bending radii
- ▶ Reduced weight
- ▶ Robust and all-weather resistant
- ▶ Resistant against ozone and radiation
- ▶ Self-extinguishing and flame retardant
- ▶ Frequent winding and unwinding with simultaneous tensile and torsional stress
- ▶ Interwoven synthetic yarn bonded between inner and outer sheath for extra protection during constant flexing
- ▶ Oil, grease and petrol resistant (*See Technical Section*)

CONSTRUCTION:

Conductor Annealed tinned copper stranded extreme flexibility (Class 5 & 6).

Insulation Special compound based on high-quality TPE.

Inner Sheath Special PUR compound.

Anti-torsion Braid Reinforced braid made of polyester threads, in a vulcanized bond between the sheaths.

Outer Sheath Abrasion and tear-resistant special PUR compound.

CHARACTERISTICS:

Operating Temperature Range Fixed -40°C to 90°C / Flexing -25°C to 90°C.

Maximum Conductor Temperature 90°C.

Rated Voltage 0.6/1kV.

Sheath Colour Black.

Standard Core Colours

4 Core – Blue, Brown, Black, Green/Yellow.

Multi Core – Black (numbered) + Green/Yellow.

Relevant Standards DIN VDE0250, DIN VDE0298-4, DIN VDE0298-3, IEC 60332-1, **CE** Directive 2006/95/EC,


RoHS Compliant.

See over for full product table ▶

Festoons	Cable Winding Reels		Vert. Cable	Cable Tender Systems	Guide Pulley Systems	Pendant Push Buttons	Cable Carrier Chains	Basket
	Cable laid in ground or in conduit							
						X		X
Main Application	Suitable		X Not Suitable - Ask regarding other cable types available					

Firstflex has taken every precaution to ensure accurate information in this catalogue, but accept no liability for any errors or omissions. Firstflex reserves the right to modify specifications at any time.

PRRT SERIES continued

Code	No. of Cores x Size (mm ²)	Approx. Stranding No. of wires x mm	Approx. Overall Diameter (mm)	Approx. Weight (Kg/Km)	Nominal Amps un-enclosed protected from sun @ 30°C fixed application		3 Phase Volt Drop @50Hz / MAX. Conductor Temp: 90°C (Mv/Am)
					Touching		
PRRT4/1.5	4 x 1.5	30/0.25	10.2	157	21		30.000
PRRT5/1.5	5 x 1.5	30/0.25	10.8	176	21		30.000
PRRT7/1.5	7 x 1.5	30/0.25	12.9	245	15		30.000
PRRT12/1.5	12 x 1.5	30/0.25	18.4	337	15		30.000
PRRT18/1.5	18 x 1.5	30/0.25	18.6	526	15		30.000
PRRT24/1.5	24 x 1.5	30/0.25	21.3	662	15		30.000
PRRT30/1.5	30 x 1.5	30/0.25	24.6	901	15		30.000
PRRT36/1.5	36 x 1.5	30/0.25	25.4	1056	15		30.000
PRRT4/2.5	4 x 2.5	50/0.25	11.7	208	29		16.400
PRRT5/2.5	5 x 2.5	50/0.25	12.7	263	29		16.400
PRRT7/2.5	7 x 2.5	50/0.25	14.8	327	20		16.400
PRRT12/2.5	12 x 2.5	50/0.25	20.4	533	20		16.400
PRRT18/2.5	18 x 2.5	50/0.25	21.1	725	20		16.400
PRRT24/2.5	24 x 2.5	50/0.25	24.8	988	20		16.400
PRRT30/2.5	30 x 2.5	50/0.25	27.6	1242	20		16.400
PRRT36/2.5	36 x 2.5	50/0.25	28.2	1500	20		16.400
PRRT4/4.0	4 x 4.0	56/0.30	12.5	270	37		10.200
PRRT5/4.0	5 x 4.0	56/0.31	14.3	362	37		10.200
PRRT4/6.0	4 x 6.0	84/0.30	16.9	409	47		6.800
PRRT5/6.0	5 x 6.0	84/0.31	17.8	511	47		6.800
PRRT4/10	4 x 10	80/0.40	19.6	633	67		4.050
PRRT5/10	5 x 10	80/0.41	20.9	766	67		4.050
PRRT4/16	4 x 16	128/0.40	23.8	936	89		2.550
PRRT5/16	5 x 16	128/0.41	25.3	1170	89		2.550
PRRT4/25	4 x 25	200/0.40	27.7	1485	119		1.160
PRRT4/35	3 x 35 + 3 x 16	280/0.40 E 128/0.40	30.1	2115	149		1.170
PRRT4/50	3 x 50 + 3 x 25	400/0.40 E 200/0.40	35.2	2600	187		0.868
PRRT4/70	3 x 70 + 3 x 35	356/0.50 E 280/0.40	40.3	3700	235		0.609
PRRT4/95	3 x 95 + 3 x 50	485/0.50 E 400/0.40	50.6	4800	282		0.450
PRRT4/120	3 x 120 + 3 x 70	614/0.50 E 356/0.50	53.0	5900	333		0.366
PRRT4/150	3 x 150 + 3 x 70	765/0.50 E 356/0.50	56.0	7100	383		0.307