CRANE, CONVEYOR, LIFT & REELING CABLES

FIRSTFLEX

P: (09) 264 1000 | www.firstflex.co.nz

F-PVC SERIES

High Performance Flexible Flatform Cable Indoor/Outdoor 450/750V 70°C

APPLICATIONS:

Materials and Handling Systems Suitable for use in indoor and outdoor crane and festooning systems, conveyor systems and energy chains.
Confined Spaces With its flat configuration, this cable can be laid in areas subject to space confinements.
Humid and wet rooms and for outdoor use.
Pumping Suitable for permanent submersion up to 200 metres.

PRODUCT FEATURES:

- Special SPVC used for indoor and outdoor applications
- Tensile load up to 15 N/mm^2
- Travel speed 180 metres per minute
- UV stabilised
- Flame retardant
- Resistant to environmental factors such as oxidation, ozone and sunlight
- Very good behaviour to variations of outdoor temperatures
- Heat, oil and chemical resistant *(See Technical Section)*

See over for full product table ▶

CONSTRUCTION:

Conductor Annealed tinned copper stranded extreme flexibility (Class 5 & 6).
Insulation Special SPVC.
Sheath Special SPVC.

CHARACTERISTICS:

Temperature Range Fixed -40°C to 60°C / Flexing -25°C to 60°C.
Maximum Conductor Temperature 70°C (Current ratings are based on 30°C air temp. See technical section for de-rating factors).
Rated Voltage Uo/U 450/750V.
Minimum Bending Radius Fixed 5 x cable height / Flexing 10 x cable height.
Sheath Colour Black.
Standard Core Colours
4 Core – Brown, Black, Grey, Green/Yellow.
5 Core – Blue, Brown, Black, Grey, Green/Yellow.
Multi Core – Black Numbered, Green/Yellow.
Relevant Standards DIN VDE 0295, DIN VDE 0293, IEC 60332-1, RoHS Compliant.

INSTALLATION NOTES FOR FESTOONING SYSTEMS USING FLATFORM CABLES

- Put the cable trolley on the guiding rail and push them together at the starting point. The distance between the bedding surface of two trolleys must be wider than double the thickness of all cables when stacked (packeted).
- Packeting should be started with the smaller cross-section laying on the bedding and built up successively so that the largest cross-section is on top.
- Also be careful to have a symmetrical load distribution on the bedding of each cable trolley.
- For fast moving or multi-packeted systems the larger cross-section cables should have a shorter loop depth than the smaller cross-section cables and be fitted with tow ropes to limit conductor stress and whiplash on acceleration and braking.
- Flat cables should never reach full extension especially in the case of multi core flat cables smaller than 2.5mm^2 where it is critical due to its low tensile strength. Allow +10% cable for calculations of trolley travel length.

F-TPE SERIES continued

Code	No. of Cores x Size (mm²)	Approx. Stranding No. of wires x mm	Approx. Overall Diameter + / - 10% (mm)	Approx. Weight (Kg/Km)	Nominal Amps un-enclosed protected from sun @ 30°C fixed application Spaced From Surface	3 Phase Volt Drop @50Hz / MAX. Conductor Temp: 90°C (Mv/Am)
F4/1.5PVC	4 x 1.5	84/0.15	6.0 x 16.4	160	18	30.000
F4/2.5PVC	4 x 2.5	140/0.15	6.9 x 19.6	224	26	16.400
F4/4.0PVC	4 x 4.0	224/0.15	8.4 x 24.1	328	34	10.200
F4/6.0PVC	4 x 6.0	192/0.20	9.1 x 26.6	439	44	6.800
F4/10PVC	4 x 10.0	320/0.20	10.3 x 31.8	690	61	4.050
F4/16PVC	4 x 16.0	512/0.20	12.0 x 36.7	996	82	2.550
F4/25PVC	4 x 25.0	800/0.20	13.7 x 43.5	1490	108	1.610
F4/35PVC	4 x 35.0	280/0.40	15.8 x 49.3	1980	135	1.170
F4/50PVC	4 x 50.0	400/0.40	18.1 x 57.7	2790	168	0.868
F4/70PVC	4 x 70.0	356/0.50	21.0 x 66.7	3630	207	0.609
F4/95PVC	4 x 95.0	485/0.50	23.8 x 76.1	4918	250	0.450
F5/1.5PVC	5 x 1.5	84/0.15	5.6 x 21.3	200	14	30.000
F5/2.5PVC	5 x 2.5	140/0.15	7.0 x 25.0	285	20	16.400
F5/4.0PVC	5 x 4.0	224/0.15	8.4 x 30.4	412	26	10.200
F5/6.0PVC	5 x 6.0	192/0.20	9.1 x 33.2	550	33	6.800
F5/10PVC	5 x 10.0	320/0.20	10.4 x 40.0	866	46	4.050
F5/25PVC	5 x 25.0	800/0.20	14.3 x 54.6	1868	81	1.610
F7/1.5PVC	7 x 1.5	84/0.15	5.7 x 27.4	270	12	30.000
F7/2.5PVC	7 x 2.5	140/0.15	7.0 x 32.5	380	17	16.400
F7/4.0PVC	7 x 4.0	224/0.15	8.5 x 40.4	550	22	10.200
F7/6.0PVC	7 x 6.0	192/0.20	9.1 x 44.1	740	29	6.800
F8/1.5PVC	8 x 1.5	84/0.15	5.7 x 30.7	290	12	30.000
F8/2.5PVC	8 x 2.5	140/0.15	6.9 x 36.7	425	17	16.400
F10/1.5PVC	10 x 1.5	84/0.15	6.4 x 39.6	365	10	30.000
F10/2.5PVC	10 x 2.5	140/0.15	7.6 x 47.2	523	14	16.400
F12/1.5PVC	12 x 1.5	84/0.15	6.4 x 45.6	430	10	30.000
F12/2.5PVC	12 x 2.5	140/0.15	7.7 x 53.3	628	14	16.400

F-TPECY SERIES

High Performance Flexible CBS Flatform Cable Indoor 0.6/1kV 75°C

APPLICATIONS:

Materials and Handling Systems Suitable for use in indoor crane and festooning systems, conveyor systems and energy chains.
Confined Spaces With its flat configuration, this cable can be laid in areas subject to space confinements.
Variable Speed Drives Designed for the connection of AC Variable Speed Drives (0.6/1kV cables) or where a flexible EMC screened power cable is required.

PRODUCT FEATURES:

- Tensile load up to 15 N/mm^2
- Travel speed 180 metres per minute
- High flexibility
- UV stabilised
- Flame retardant
- Resistant to environmental factors such as oxidation, ozone and sunlight
- Very good behaviour to variations of outdoor temperatures
- Heat, oil and chemical resistant *(See Technical Section)*

CONSTRUCTION:

Conductor Annealed tinned copper stranded extreme flexibility (Class 5 & 6).
Insulation Special TPE.
Screening Copper screened braiding, 85% minimum coverage (Individually screened cores).
Sheath Special TPE.

CHARACTERISTICS:

Operating Temperature Range Fixed -40°C to 75°C / Flexing -5°C to 70°C.
Maximum Conductor Temperature 75°C (Current ratings are based on 30°C air temp. See technical section for de-rating factors).
Rated Voltage Uo/U 0.6/1kV.
Max AC Operating Voltage Uo 0.7kV.
Minimum Bending Radius Flexing 10 x cable height.
Sheath Colour Black.
Standard Core Colours.
4 Core – Brown, Black, Grey, Green/Yellow.
5 Core – Blue, Brown, Black, Grey, Green/Yellow.
Multi Core – Black Numbered, Green/Yellow.
Relevant Standards VDE 0295, IEC 60332-1, IEC 60228, VDE 0250, VDE 0293-308, CE Directive 2006/95/EC, RoHS Compliant.

Code	No. of Cores x Size (mm^2)	Approx. Stranding No. of wires x mm	Approx. Overall Diameter + / - 10% (mm)	Approx. Weight (Kg/Km)	Nominal Amps un-enclosed protected from sun @ 30°C fixed application Spaced From Surface	3 Phase Volt Drop @50Hz / MAX. Conductor Temp: 75°C (Mv/Am)
F4/1.5TPECY	4 x 1.5	84/0.15	7.3 x 21.1	99	18	30.000
F4/2.5TPECY	4 x 2.5	140/0.15	8.0 x 23.8	163	26	16.400
F4/4.0TPECY	4 x 4.0	224/0.15	8.9 x 26.8	241	34	10.200
F4/6.0TPECY	4 x 6.0	192/0.20	9.3 x 29.5	353	44	6.800
F4/10TPECY	4 x 10.0	320/0.20	11.6 x 36.4	497	61	4.050
F4/16TPECY	4 x 16.0	512/0.20	12.9 x 40.8	805	82	2.550
F4/25TPECY	4 x 25.0	800/0.20	13.1 x 45.1	1200	108	1.610
F4/35TPECY	4 x 35.0	280/0.40	15.3 x 52.3	1657	135	1.170
F4/50TPECY	4 x 50.0	400/0.40	17.9 x 60.9	2261	168	0.868
F4/70TPECY	4 x 70.0	356/0.50	23.1 x 76.6	3259	207	0.609
F8/1.5TPECY	8 x 1.5	84/0.15	7.3 x 38.2	228	12	30.000
F12/1.5TPECY	12 x 1.5	84/0.15	7.3 x 55.3	342	10	30.000
F12/2.5TPECY	12 x 2.5	140/0.15	8.0 x 63.2	493	14	16.400

P SERIES

High Performance Flexible Rubber Pendant / Lift Cable with Central or External Support 300/500V 75°C

APPLICATIONS:

Materials and Handling Systems For use as a pendant control or feeder cable for cranes, hoists and lifts.

P Type The central support system aids in the prevention of inner core breakage when twisting the pendant control by spacing the cores around the circumference of the cable. Free suspension to 80 metres.

P2S Type This has external steel wire supports to act as strain relief when the cable is under tension and to help with anti-twist and long cable life.

PRODUCT FEATURES:

- Extremely fine stranded copper conductor
- Extremely flexible
- UV stabilised
- Flame retardant
- Resistant to environmental factors such as oxidation, ozone and sunlight
- Good tensile strength, tearing strength and abrasion resistance
- Heat, oil and chemical resistant *(See Technical Section)*

CONSTRUCTION:

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

Insulation:

P Type – EPR rubber c/w central support core of hemp.

P-2S Type – SPVC c/w 2 x external steel wire supports.

Sheath:

P Type – CPE Elastomer Rubber.

P-2S Type – TPE Thermoplastic Polyester Elastomer.

CHARACTERISTICS:

Operating Temperature Range Fixed -40°C to 75°C / Flexing -30°C to 70°C.

Maximum Conductor Temperature 75°C.

Rated Voltage Uo/U 300/500v.

Max AC Operating Voltage Uo 318v.

Minimum Bending Radius

P Type - without stress 10 x cable diam / with stress 20 x cable diam.

P-2S Type - 10 x cable diam.

Sheath Colour Black.

Standard Core Colours Black (numbered) plus 1 Green/Yellow Earth.

Relevant Standards DIN VDE 0293, IEC 60332-1, DIN VDE 0295, IEC 60228, CE Directive 2006/95/EC, RoHS Compliant.

Code	No. of Cores x Size (mm²)	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 Touching	3 Phase Volt Drop @50Hz / MAX. Conductor Temp: 75°C (Mv/Am)
P Type with Central Support System						
P 7/1.5NEO	7 x 1.5	84/0.15	13.5	295	15	28.600
P12/1.5NEO	12 x 1.5	84/0.15	21.0	574	15	28.600
P18/1.5NEO	18 x 1.5	84/0.15	22.0	700	15	28.600
P-2S Type with 2 x External Steel Wire Support System						
P8/1.5-2S	8 x 1.5	84/0.15	14.9 x 27.3	425	15	28.600
P12/1.5-2S	12 x 1.5	84/0.15	16.5 x 31.5	505	15	28.600
P20/1.5-2S	20 x 1.5	84/0.15	21.0 x 36.0	715	15	28.600

PR SERIES

High Performance Flexible Rubber Power Reeling / Trailing Cable 0.6/1kV 90°C

APPLICATIONS:

Materials and Handling Systems Suitable for use in cable reelers, crane pendants and festooning systems, conveyor systems and energy chains. Trailing cables are used for high mechanical stress applications, especially for frequent winding and unwinding with simultaneous tensile and torsional loads on cranes, building machinery and conveyors.

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

PRODUCT FEATURES:

- UV stabilised
- Flame retardant
- Resistant to environmental factors such as oxidation, ozone and sunlight
- Very good behaviour to variations of outdoor temperatures
- Good tensile strength, tearing strength and abrasion resistance
- Heat, oil and chemical resistant *(See Technical Section)*

See over for full product table ▶

CONSTRUCTION:

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

Insulation EPR rubber R90.

Sheath PCP elastomer rubber and inner covering of tape under inner sheath of PCP Elastomer rubber with synthetic yarn for anti-twisting protection.

CHARACTERISTICS:

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

Maximum Conductor Temperature 90°C.

Rated Voltage Uo/U 0.6/1kV.

Max AC Operating Voltage Uo 0.7kV.

Minimum Bending Radius Fixed 7.5 x cable diameter / Flexing 10 x cable diameter.

Sheath Colour Black.

Standard Core Colours

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

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

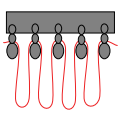
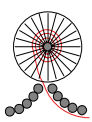
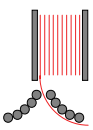
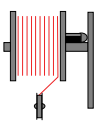
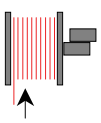
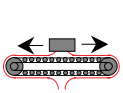
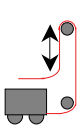
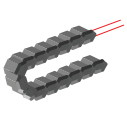
Relevant Standards VDE 0250-814, VDE 0298-4, VDE 0298-3, IEC 60332-1, CE Directive 2006/95/EC, RoHS Compliant.

CABLES ON A DRUM OR REEL DURING OPERATION (IN LAYERS):

Where layers of flexible cable are accommodated on a cylindrical-type drum or reel, multiply the values by the appropriate factor as follows:

Number of layers de-rating factor	1	2	3	4
	0.85	0.65	0.45	0.35

Where a spiral layer of flexible cable is accommodated on a radial-type drum, multiply the values by a factor of 0.85 for a ventilated drum and 0.75 for unventilated drums. Handling and installing cables on drums and reels requires special care (especially power reeling). Please contact our technical team for details on the correct handling and installation of drum / reeling cables.

Festoons	Cable Winding Reels				Cable Tender Systems	Guide Pulley Systems	Pendant Push Buttons	Cable Carrier Chains	Basket
	Cable laid in ground or in condult			Vert. Cable					
									
				X	X	X	X		X

Main Application | Suitable | X Not Suitable - Ask regarding other cable types available

PR SERIES continued

Code	No. of Cores x Size (mm²)	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 Touching	3 Phase Volt Drop @50Hz / MAX. Conductor Temp: 90°C (Mv/Am)
PR07/1.5	7 x 1.5	30/0.25	19.1	490	15	30.000
PR12/1.5	12 x 1.5	30/0.25	22.3	680	15	30.000
PR18/1.5	18 x 1.5	30/0.25	25.3	890	15	30.000
PR24/1.5	24 x 1.5	30/0.25	29.4	1140	15	30.000
PR30/1.5	30 x 1.5	30/0.25	31.5	1360	15	30.000
PR36/1.5	36 x 1.5	30/0.25	33.5	1540	15	30.000
PR07/2.5	7 x 2.5	50/0.25	21.2	660	20	16.400
PR12/2.5	12 x 2.5	50/0.25	24.8	910	20	16.400
PR18/2.5	18 x 2.5	50/0.25	30.2	1270	20	16.400
PR24/2.5	24 x 2.5	50/0.25	33.6	1680	20	16.400
PR30/2.5	30 x 2.5	50/0.25	35.4	1890	20	16.400
PR36/2.5	36 x 2.5	50/0.25	38.4	2250	20	16.400
PR04/4.0	4 x 4.0	56/0.30	20.0	550	37	10.200
PR04/6.0	4 x 6.0	84/0.30	21.5	680	47	6.800
PR04/10	4 x 10.0	80/0.40	25.5	1030	67	4.050
PR04/16	4 x 16.0	128/0.40	30.0	1470	89	2.550
PR04/25	4 x 25.0	200/0.40	35.0	2130	119	1.160
PR04/35	4 x 35.0	280/0.40	39.0	2750	149	1.170

NOTE:

- During installation and operation the tensile stress must not exceed 15N/mm² and acceleration must not be more than 0.4m/sec.
- While in use 1 or 2 revolutions should remain on the operated drum.
- For reeling cables requiring higher tensile loads or for other applications please enquire with technical department.

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)*

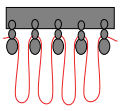
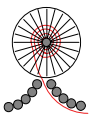
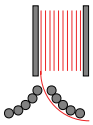
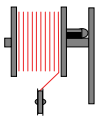
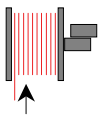
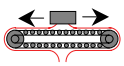
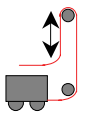
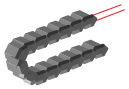
CONSTRUCTION:

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 condult								
									
							X		X

Main Application | Suitable | X Not Suitable - Ask regarding other cable types available

PRRT SERIES continued

Code	No. of Cores x Size (mm²)	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 Touching	3 Phase Volt Drop @50Hz / MAX. Conductor Temp: 90°C (Mv/Am)
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

PRVS SERIES

Extreme Performance Flexible Rubber Vertical Suspension Reeling / Crane Cable 0.6/1kV 90°C

APPLICATIONS:

Vertical Suspension With the interwoven synthetic yarn, this cable is suitable for vertically suspended applications such as crane spreaders, vertical cable reelers, pendant stations and cable tender systems.

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

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

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

PRODUCT FEATURES:

- UV stabilised
- Flame retardant
- Resistant to environmental factors such as oxidation, ozone and sunlight
- Very good behaviour to variations of outdoor temperature
- Good tensile strength, tearing strength and abrasion resistance
- Interwoven synthetic yarn bonded between inner and outer sheath for extra protection during constant flexing
- Heat, oil and chemical resistant *(See Technical Section)*

See over for full product table ▶

CONSTRUCTION:

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

Insulation Special compound based on high-quality EPR.

Central Strainer (if any) made of aramidic yarns. To be used as support element.

Inner Sheath New special PCP compound.

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

Outer Sheath Abrasion and tear-resistant special rubber compound based on PCP.

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 or Yellow.

Standard Core Colours

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

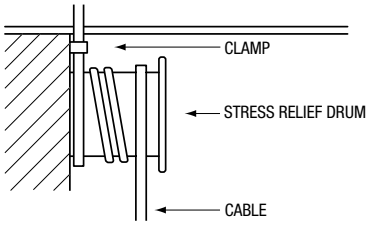
Multi Core – Black (numbered) + Green/Yellow.

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

SUPPORT FOR VERTICALLY SUSPENDED CABLES:

The anchoring of cables is best achieved with a stress relief drum. The open ended construction facilitates installation and replacement while affording better stress relief and jacket protection than cable grips. At least 2½ cable turns should be wound around the drum. Refer to the minimum Bending Radii data for each cable type to determine the stress relief drum diameter.

Suggested stress relief drum design



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	X		X

Main Application Suitable X Not Suitable - Ask regarding other cable types available

FIRSTFLEX
P: (09) 264 1000 | F: (09) 264 1001 | sales@firstflex.co.nz | www.firstflex.co.nz

PRVS SERIES continued

Code	No. of Cores x Size (mm²)	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 Touching	3 Phase Volt Drop @50Hz / MAX. Conductor Temp: 90°C (Mv/Am)
PRVS04/1.5	4 x 1.5	30/0.25	13.8	240	21	30.000
PRVS05/1.5	5 x 1.5	30/0.25	14.6	280	21	30.000
PRVS07/1.5	7 x 1.5	30/0.25	17.2	385	15	30.000
PRVS12/1.5	12 x 1.5	30/0.25	23.4	710	15	30.000
PRVS18/1.5	18 x 1.5	30/0.25	23.3	760	15	30.000
PRVS24/1.5	24 x 1.5	30/0.25	26.8	710	15	30.000
PRVS30/1.5	30 x 1.5	30/0.25	29.6	1220	15	30.000
PRVS36/1.5	36 x 1.5	30/0.25	29.5	1260	15	30.000
PRVS44/1.5	44 x 1.5	30/0.25	32.5	1530	15	30.000
PRVS56/1.5	56 x 1.5	30/0.25	37.9	2050	15	30.000
PRVS03/2.5	3 x 2.5	50/0.25	14.3	280	33	16.400
PRVS04/2.5	4 x 2.5	50/0.25	14.8	305	29	16.400
PRVS05/2.5	5 x 2.5	50/0.25	15.8	355	29	16.400
PRVS07/2.5	7 x 2.5	50/0.25	18.6	510	20	16.400
PRVS12/2.5	12 x 2.5	50/0.25	25.4	920	20	16.400
PRVS18/2.5	18 x 2.5	50/0.25	25.3	1005	20	16.400
PRVS24/2.5	24 x 2.5	50/0.25	29.2	1320	20	16.400
PRVS30/2.5	30 x 2.5	50/0.25	32.4	1660	20	16.400
PRVS36/2.5	36 x 2.5	50/0.25	32.3	1720	20	16.400
PRVS44/2.5	44 x 2.5	50/0.25	37.1	2230	20	16.400
PRVS56/2.5	56 x 2.5	50/0.25	43.1	2940	20	16.400
PRVS04/4.0	4 x 4.0	56/0.30	18	455	37	10.200
PRVS04/6.0	4 x 6.0	84/0.30	19.4	720	47	6.800
PRVS04/10	4 x 10	80/0.40	23.6	1200	67	4.050
PRVS04/16	4 x 16	128/0.40	26.7	1920	89	2.550
PRVS04/25	4 x 25	200/0.40	31.5	2000	119	1.160
PRVS04/35	3 x 35 + 3 x 16	280/0.40 E 128/0.40	31.5	2160	149	1.170
PRVS04/50	3 x 50 + 3 x 25	400/0.40 E 200/0.40	37.4	2850	187	0.868
PRVS04/70	3 x 70 + 3 x 35	356/0.50 E 280/0.40	42.7	3920	235	0.609
PRVS04/95	3 x 95 + 3 x 50	485/0.50 E 400/0.40	47.3	5020	282	0.450
PRVS04/120	3 x 120 + 3 x 70	614/0.50 E 356/0.50	55.0	6630	333	0.366
PRVS04/150	3 x 150 + 3 x 70	765/0.50 E 356/0.50	57.9	7690	383	0.307
PRVS04/185	3 x 185 + 3 x 95	944/0.50 E 485/0.50	62.9	9310	436	0.269
PRVS04/240	3 x 240 + 3 x 120	1225/0.50 E 614/0.50	71.4	12200	519	0.227
PRVS05/4.0	5 x 4.0	56/0.31	19.4	430	37	10.200
PRVS05/6.0	5 x 6.0	84/0.31	21.0	690	47	6.800
PRVS05/10	5 x 10	80/0.41	25.4	1080	67	4.050
PRVS05/16	5 x 16	128/0.41	29.1	1500	89	2.550

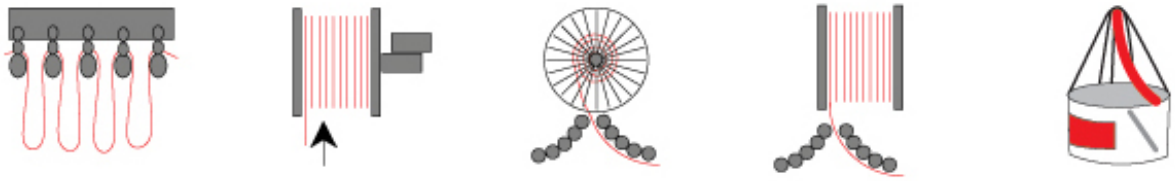
Reeling / Trailing Cable Enquiry Form

Attn: | Date:

Company: | Contact:

Ph/Fax: | Email:

Festoon **Lift/Vert** **Cable Reeling/Trailing** **Basket**



☐ **If exisiting / replacing**

Marking on cable:

Cable Size (mm²): | Conductors (incl. Earth):

Cable Overall Diameter:

Why replacing?

How long did exisitng last?

Environment:

☐ **New Application**

Cable Size (mm²): | Conductors (incl. Earth):

Cable Overall Diameter:

Size of Reeler/Basket: Width: mm | Height: mm | Radius: mm

Ask for specs on Reeler/Basket:

Environment:

Fax or Email this form to:
sales@firstflex.co.nz
Fax: 09 264 1001