POWERVOLT MV 12.7/22kV

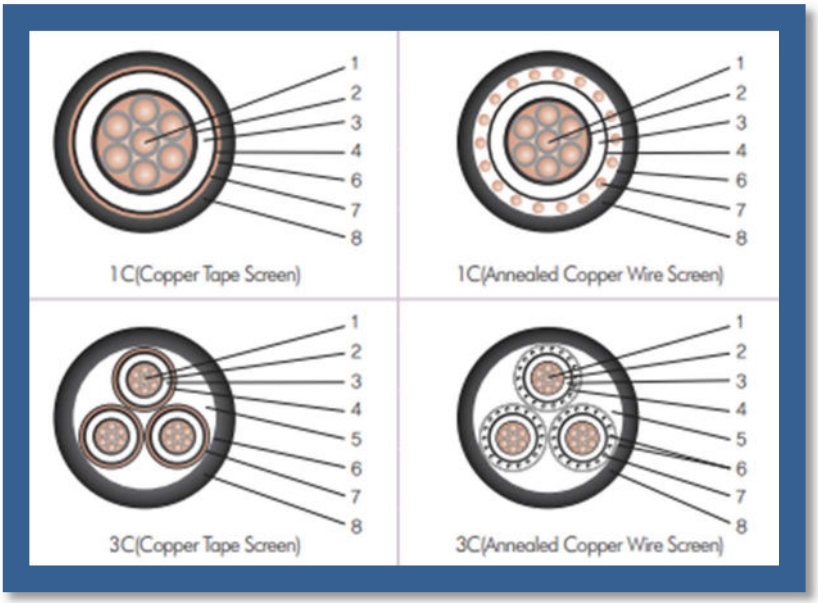
AS/NZS 1429.1 12.7 / 22 (24) Kv, CU/XLPE/CTS(SCR)/PVC

Cable Description

Powerflex POWERVOLT MV is a high-performance medium voltage power cable used in power grids, networks, machinery and production, as well as other industrial applications.

Cable Construction

Cable Construction		
1	Conductor	Annealed Copper
2	Conductor Screen	Semi- Conductive XLPE
3	Insulation	XLPE
4	Insulation Screen	Semi-Conductive XLPE
5	Filler	Filler
6	Tape	Binder Tape
7	Metallic Screen	Copper Tape or Annealed Copper Wire
8	Sheath	PVC



SCR(Annealed Copper Wire Screen) : Up to 10kA fault level, higher on request

Technical Data | Light Duty Shielding

Nominal Cross-Sectional Area of Conductor	Thickness of Insulation	Light Shielding (Copper Tape Screen)					
		Approx. Thickness of Metallic Screen		Thickness of sheath		Approx. Overall Diameter	
		1C	3C	1C	3C	1C	3C
mm2	mm	mm		mm		mm2	
16	5.5	0.1	0.1	1 .6	2.4	21	46
25	5.5	0.1	0.1	1.7	2.5	24	48.5
35	5.5	0.1	0.1	1.7	2.6	25	51
50	5.5	0.1	0.1	1.7	2.7	26	54
70	5.5	0.1	0.1	1 8	2.8	28	57.5
95	5.5	0.1	0.1	1 .9	2.9	30	61 .5
120	5.5	0.1	0.1	1 .9	3.0	31 .5	64.5
150	5.5	0.1	0.1	2.0	3.1	33	68
185	5.5	0.1	0.1	2.0	3.2	34.5	71.5
240	5.5	0.1	0.1	2.1	3.4	37	77
300	5.5	0.1	0.1	2.2	3.6	39.5	82.5
400	5.5	0.1	0.1	2.3	3.8	42.5	88.5

Technical Data | Heavy Duty Shielding

Nominal Cross-Sectional Area of Conductor	Thickness of Insulation	Heavy Duty Shielding (Copper Wire Screen)					
		Approx. Thickness of Metallic Screen		Thickness of sheath		Approx. Overall Diameter	
		1C	3C	1C	1C	1C	3C
mm2	mm	mm2		mm		mm	
16	5.5	16	17	1.7	2.5	24	50
25	5.5	24	26	1.7	2.6	25.5	53
35	5.5	34	34	1 .8	2.7	27	54.5
50	5.5	49	49	1 .9	2.8	28.5	57
70	5.5	69	69	1 .9	2.9	30	60.5
95	5.5	69	69	2.0	3.0	32.5	65
120	5.5	69	69	2.0	3.2	34	68.5
150	5.5	69	69	2.1	3.3	35.5	72
185	5.5	69	69	2.1	3.4	37	76
240	5.5	69	69	2.2	3.6	40	81 .5
300	5.5	69	69	2.3	3.8	42.5	87.5
400	5.5	69	69	2.4	4.0	45.5	94