



Flexible single core cables suitable for use in controllers, induction loops, motor starters, rectifier equipment, switchgear, relay and instrumentation panels.

Construction

stranded plain copper conductors
heat resistant polyvinylchloride outer sheath

Technical

core stranding: to BS EN 60228:2005 class 5 (previously BS6360)
 bend radius: 6 x overall diameter
 voltage rating: 600/1000V operating
 current rating: see PVC single core 105°C chart
 temperature range: 0 to +90°C flexible, -15 to +105°C static, min. 0°C during installation
 flame retardant: according to BS EN 50265 and IEC 60332-1
 approvals: Bi-rated (150-300mm²) = CSA Type CEW and UL Type AWM
 Tri-rated: (0.5-120mm²) = as above, plus BS6231 Type CK
 UL/AWM styles: up to 6.0mm² = 1015, 10.0mm² = 1028, 16.0 – 35.0mm² = 1283,
 50.0mm² & above = or 1284
 colours available: brown, black, grey, blue, green/yellow, red, yellow, white, orange,
 green, pink & violet – not all colours available in all sizes.

Core Area (mm ²)	Cable Overall		Core Area (mm ²)	Cable Overall		Core Area (mm ²)	Cable Overall	
	Diameter (mm)	Weight (kg/km)		Diameter (mm)	Weight (kg/km)		Diameter (mm)	Weight (kg/km)
0.50	2.6	12	10.0	6.3	123	120.0	20.4	1280
0.75	2.8	15	16.0	9.0	207	150.0	23.0	1630
1.00	3.0	18	25.0	10.4	303	185.0	26.0	1940
1.50	3.3	23	35.0	11.9	412	240.0	29.5	2550
2.50	3.8	34	50.0	14.7	607	300.0	32.74	3140
4.00	4.3	50	70.0	16.8	837			
6.00	4.9	71	95.0	18.8	1080			

Polyvinylchloride (PVC) Properties: These compounds are self-extinguishing with fair abrasive resistance, good resistance to water, aqueous salt solutions, acids and alkalis, moderate/poor resistance against organic solvents and oils. Oil resistant versions are commonly available.

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