

Neoprene Flatform Screened Cable

Cable Application

Neoprene sheathed flat cables are designed to be used as electrical supply to moving machine components. This cable is weatherproof and thus suitable for use under adverse ambient conditions, e.g. for outdoor installation in shipyards, conveying equipment, on cranes and hoisting gear. These cables are extremely flexible and are typically used in applications with high mechanical stress and frequent bending in one plane. The copper screening of the individual cores provides transmission of data and signals without other electrical interference (EMC). It is suitable in low temperatures.

Technical Information

Conductor:	Flexible, plain copper
Stranding:	According to VDE 0295, class 5 or 6, IEC 60228
Insulation:	Rubber
Core Marking:	up to 5 cores colour coded in accordance to VDE 0293 7 cores and more are number coded with a green/yellow earth
Screening:	Copper wire braid around each core
Outer Sheath:	Black neoprene
Voltage:	Working: 300/500V • Test: 2000V
Temperature Range:	Flexible: -25°C to +80°C • Static: -40°C to +80°C
Bending Radius:	10 x Ø

Cores	Cross section mm ²	Outer diameter mm	Current rating at 30°C (amps)	Weight kg/km
4 x	1.5	22.6 x 7.9	22	36.1
8 x	1.5	41.6 x 7.9	22	64.7
12 x	1.5	60.6 x 7.9	22	95.7
4 x	2.5	25 x 8.5	30	41.7
6 x	2.5	34.8 x 8.5	30	59.9
12 x	2.5	68.2 x 8.9	30	125
4 x	4	28.6 x 9.4	40	59
4 x	10	36.9 x 12.2	71	95
4 x	16	43.6 x 13.9	96	151.6

This cable is also available in PVC.