

Single Core Flexible Cable

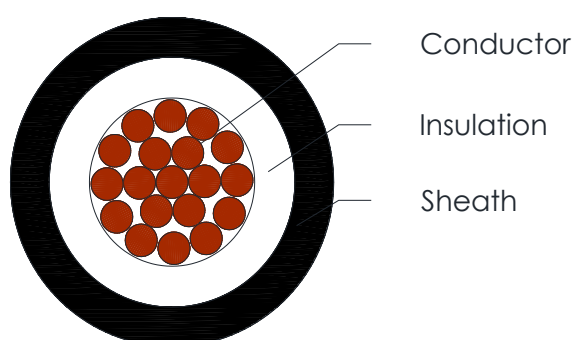


C6102, C6103, C6104, C6105, C6106, C6107, C6108, C6109, C6110, C6111, C6112, C6113, C6114

Applications

This is a flexible double insulated single core conductor. Specifically designed for use in industrial processes. Suitable for use in short-circuit-proof installations, such as distribution panels and switching devices.

Cross Section Drawing



Design

Unit	Properties
Conductor	Class 5 Bare Copper wire
Insulation	TPE or PUR
Sheath Material	TPE or PUR, Colour: Black
Standard Put Up Length	100 or 50 meters

*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

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Physical Characteristics

PN	Numbers of cores × conductor cross-section	Nom. Outer Diameter (mm)	Weight (kg/km)	Current rating installation in open air, ambient 30°C (A)
C6102	1×10	8.8	145	93
C6103	1×16	9.8	205	125
C6104	1×25	11.0	300	167
C6105	1×35	12.3	400	207
C6106	1×50	14.3	540	262
C6107	1×70	16.8	760	329
C6108	1×95	18.7	1020	395
C6109	1×120	20.9	1215	463
C6110	1×150	23.4	1550	537
C6111	1×185	25.7	1825	611
C6112	1×240	29.7	2415	736
C6113	1×300	33.0	2900	853
C6114	1×400	35.8	3840	965

Characteristics (at 20°C)

Conductor Temperature(°C)	Temperature range(°C)	Voltage Rating U ₀ /U (KV)	Bending Radius, fixed installa
+90	-40 to +85	0.6/1.0	4× Outer Diameter

Reference Standards

EN 60228, Class 5	EN 50363,7&,8
EN 50575:2014+A1:2016	IEC 60754-1&-2
	RoHS Directives