Application and Description

These cables are used as a connection between the welding generator, the hand-electrode and the work piece. For use in the automobile industry, ship building, transport and conveyor systems, tool making machinery, welding robots etc.These cables retain their high flexibility even under influence of ozone, light, oxygen, protective gases, oil and petrol. Robust cable structure of these cables makes them resistant to low and high temperature, fire, ozone and radiation, oils, acids, fats and petrols.These cables are also ideal for outside installation in dry, moist and wet areas.

CONSTRUCTION

Conductor

Generally to Class 6 flexible copper conductor

Separator

PET (Polyester Tape)

Sheath

Rubber compound

Sheath Colour

Black Red

Technical Characteristics

WORKING VOLTAGE	100/100 volts
TEST VOLTAGE	1000 volts
FLEXING BENDING RADIUS	12.0 x Ø
FIXED BENDING RADIUS	7.5 x Ø
FLEXING TEMPERATURE	-25 ºC to +80 ºC
FIXED TEMPERATURE	-40 ºC to +80 ºC
FLAME RETARDANT	IEC 60332.1

Cable Parameter

CABLES WITH STANDARD AND APPROVAL FLEXIBILITY

NO. OF CORES X NOMINAL CROSS SECTIONAL AREA	NOMINAL THICKNESS OF INSULATION	NOMINAL OVERALL DIAMETER	NOMINAL COPPER WEIGHT	NOMINAL WEIGHT
# X MM²	MM	MM	KG/KM	KG/KM
1 x 10	2.0	7.7-9.7	96	135

1 x 16	2.0	8.8-11.0	154	205
1 x 25	2.0	10.1-12.7	240	302
1 x 35	2.0	11.4-14.2	336	420
1 x 50	2.2	13.2-16.5	480	586
1 x 70	2.4	15.3-19.2	672	798
1 x 95	2.6	17.1-21.4	912	1015
1 x 120	2.8	19.2-24.0	1152	1310
1 x 150	3.0	21.2-26.4	1440	1620
1 x 185	3.2	23.1-28.9	1776	1916
1 x 240	3.4	25.0-29.5	2304	2540

CABLES WITH EXTREME HIGH FLEXIBILITY

NO. OF CORES X NOMINAL CROSS SECTIONAL AREA	NOMINAL THICKNESS OF INSULATION	NOMINAL OVERALL DIAMETER	NOMINAL COPPER WEIGHT	NOMINAL WEIGHT
# X MM²	MM	MM	KG/KM	KG/KM
1 x 10	1.2	6.2-7.8	96	119
1 x 16	1.2	7.3-9.1	154	181
1 x 25	1.2	8.6-10.8	240	270
1 x 35	1.2	9.8-12.3	336	363
1 x 50	1.5	11.9-14.8	480	528
1 x 70	1.8	13.6-17.0	672	716
1 x 95	1.8	15.6-19.5	912	1012
1 x 120	1.8	17.2-21.6	1152	1190
1 x 150	1.8	18.8-23.5	1440	1305
1 x 185	1.8	20.4-25.5	1776	1511