Electric Wire & Cable

Cable for Welding

60245 IEC 81

Natural Rubber or Equivalent Synthetic Elastomer
Sheathed Welding Cable

Flame Retardant Cable

60502-1

0.6/1kV Flame Retardant Crosslinked
Polyethlene Insulated Power Cable

DAEMYUNG ELECTRIC WIRE CO.,LTD

Cable for Welding - 60245 IEC 81

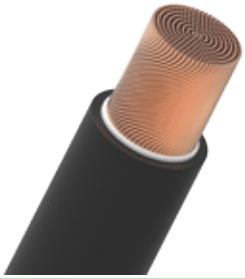
Natural Rubber or Equivalent Synthetic Elastomer Sheathed Welding Cable

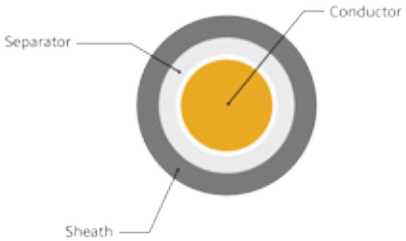
Use

The cable uses for arc welding machines, having excellent flexibility, extremely convenient to move and high mechanical endurance

Structure

1. Conductor : The stranded conductor is 5 Level, 16㎟ ~ 95㎟
2. Insulator : Natural rubber and rubber mixture





Conductor		Total thickness of sheath	Thickness of Composite sheath	Overall Diameter (Approx.)		Max. Conductior Resistance at 20℃		Cable Weight
Nominal Cross Sectional Area	Max. Diameter of Wires			Min. Low	Max. Low	Tinning Annealed copper wire	Annealed copper wire	
㎟	mm	mm	mm	mm	mm	Ω/km	Ω/km	kg/km
16	0.21	2.0	1.3	8.8	11.0	1.19	1.16	211
25	0.21	2.0	1.3	10.1	12.7	0.780	0.758	310
35	0.21	2.0	1.3	11.4	14.2	0.552	0.536	394
50	0.21	2.2	1.5	13.2	16.5	0.390	0.379	565
70	0.21	2.4	1.6	15.3	19.2	0.276	0.268	796
95	0.21	2.6	1.7	17.1	21.4	0.204	0.198	1042

Flame Retardant Cable - 60502-1

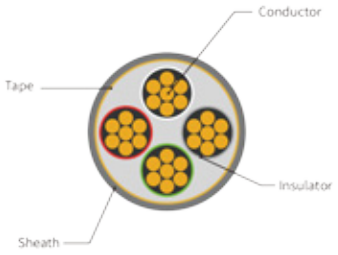
0.6/1kV Flame Retardant Crosslinked Polyethlene Insulated Power Cable

Use

It uses for power circuits at less than 0.6/1kV. It is excellent in electrical, physical and chemical characteristics. It is superb in plenum feature, compared to PVC sheath cable.

Structure

1. Conductor : Interlock copper wire for electricity(Circle, Stranded Compacted Circle)
2. Insulator : XLPE
3. Union : Combining insulated cores as a round shape when it is more than 2 core
4. Sheath : PVC / ST2
5. Insulator Color : 2 Core - Black, White
   3 Core - Black, White, Red
   4 Core - Black, White, Red, Gree



No.of Cores	Conductor			Thickness of Insulator	Thickness of Sheath	Overall Diameter (Approx.)	Max. Conductior Resistance at 20℃	Test Voltage	Weight Calculation
	Nominal Cross Sectional Area	Diameter of Wire	Diameter (Approx.)						
C	㎟	㎜	㎜	㎜	㎜	㎜	Ω/km	v/5min	kg/km
1	1.5	7/0.53	1.59	0.7	1.4	6.3	12.1	3500	60
	2.5	7/0.67	2.01			6.7	7.41		75
	4	7/0.85	2.55			7.2	4.61		95
	6	7/1.04	3.12			7.8	3.08		115
	10	7/1.35	4.05			9.4	1.83		160
	16	C.C	4.70			10	1.15		220
2	1.5	7/0.53	1.59	0.7	1.8	11	12.1	3500	130
	2.5	7/0.67	2.01			12	7.41		160
	4	7/0.85	2.55			13	4.61		210
	6	7/1.04	3.12			14	3.08		260
	10	7/1.35	4.05			17	1.83		365
	16	C.C	4.70			18.5	1.15		490
3	1.5	7/0.53	1.59	0.7	1.8	11.5	12.1	3500	155
	2.5	7/0.67	2.01			12.5	7.41		190
	4	7/0.85	2.55			13.5	4.61		255
	6	7/1.04	3.12			14.5	3.08		330
	10	7/1.35	4.05			18	1.83		470
	16	C.C	4.70			19.5	1.15		650
4	1.5	7/0.53	1.59	0.7	1.8	12.5	12.1	3500	180
	2.5	7/0.67	2.01			13.5	7.41		235
	4	7/0.85	2.55			14.5	4.61		305
	6	7/1.04	3.12			16	3.08		405
	10	7/1.35	4.05			20	1.83		590
	16	C.C	4.70			22	1.15		820