0.6/1KV CV 4 C

0.6/1 KV. 90°C CROSS-LINKED POLYETHYLENE INSULATED
PVC SHEATHED POWER CABLE, 4 CORES

APPLICATION

For power distribution in dry or wet location, installation in open tray, conduit, underground duct trench, or direct burial in ground

TESTING VOLTAGE : 3,500 Volts

REFERENCE STANDARD : IEC 60502-1

CABLE STRUCTURE

CONDUCTOR : Concentric Stranded and Compacted Round Annealed Copper
Size 1.5 - 400 mm²

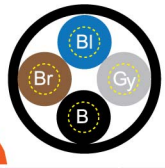
INSULATION : Cross-linked polyethylene (XLPE)

FILLER : PP yarn

BINDING TAPE : Spundbond tape or polyester tape

SHEATHED : Black polyvinyl chloride type PVC/ST2

CORE IDENTIFICATION :



CLASSIFICATION

Maximum Conductor Temperature : 90°C
Circuit Voltage does not exceed 0.6/1 KV (Uo/U)
600 Volts between Line to Earth (Uo)
1,000 Volts between Line to Line (U)

Technical Data

IEC 60502-1

Nominal Cross Sectional Area	Number of wires minimum	Conductor Diameter (Approx.)	Nominal Insulation Thickness	Nominal Sheathed Thickness	Overall Diameter (Approx.)	Maximum Conductor Resistance at 20°C	Minimum Insulation Resistance at 20°C	Current Rating in Free Air at 40°C	Cable Weight (Approx.)	Standard Packing
mm²		mm	mm	mm	mm	Ω/km	MΩ-km	A	kg/km	m
1.5	7	1.50	0.7	1.8	12.0	12.1	2,500	22	180	500/D
2.5	7	2.00	0.7	1.8	13.5	7.41	2,100	29	230	500/D
4	7	2.50	0.7	1.8	14.5	4.61	1,700	39	300	500/D
6	7	3.00	0.7	1.8	16.0	3.08	1,450	49	400	500/D
10	6	3.70	0.7	1.8	17.5	1.83	1,250	66	550	500/D
16	6	4.70	0.7	1.8	20	1.15	1,000	88	800	500/D
25	6	5.90	0.9	1.8	24	0.727	1,050	118	1,200	500/D
35	6	7.00	0.9	1.8	27	0.524	900	145	1,600	500/D
50	6	8.30	1.0	1.9	30	0.387	850	176	2,200	500/D
70	12	9.70	1.1	2.0	35	0.268	800	222	3,000	500/D
95	15	11.40	1.1	2.1	39	0.193	750	272	4,100	500/D
120	18	13.00	1.2	2.3	44	0.153	750	320	5,000	500/D
150	18	14.30	1.4	2.4	49	0.124	700	366	6,500	500/D
185	30	16.00	1.6	2.6	54	0.0991	700	422	8,000	300/D
240	34	18.50	1.7	2.8	61	0.0754	650	498	10,500	300/D
300	34	20.70	1.8	3.0	68	0.0601	600	567	13,000	200/D
400	53	23.40	2.0	3.3	76	0.0470	600	652	16,500	200/D

D : Packing in drum