

MEDIUM HARD DRAWN COPPER CONDUCTOR

APPLICATION

Medium Hard Drawn (MHD) bare copper conductor are to be used on electric distribution systems.

CONSTRUCTION

Conductor: MHD Bare Copper conductor to ASTM B-2



STANDARD

ASTM B-2 & B-193

PHYSICAL DATA						TECHNICAL DATA		
REB Item Code	Name of conductor	Size of conductor	Nominal Area of conductor	Number of strand & diameter of wire	Conductor diameter	Approx. weight of conductor	Minimum breaking load of conductor	Maximum D.C resistance of conductor at 25 °C
		AWG or MCM	mm ²	no./mm	mm	kg/km	kgf	W/km
D-7	MHD Copper Conductor	3	26.688	3/3.360	7.254	240	1070	0.683
D-8	MHD Copper Conductor	1/0	53.488	7/3.119	9.347	486	2155	0.344
D-9	MHD Copper Conductor	4/0	107.264	7/4.417	13.259	956	3694	0.166
D-10	MHD Copper Conductor	2/0	67.425	7/3.502	10.510	616	2694	0.275
DS-9	MHD Copper Conductor	4/0	107.156	19/2.679	13.410	973	4371	0.173
DS-10	MHD Copper Conductor	2/0	67.766	19/2.131	10.655	613	2166	0.271
DS-37	MHD Copper Conductor	350	177.291	37/2.470	17.290	1620	5662	0.101
DS-38	MHD Copper Conductor	500	253.064	37/2.951	20.657	2297	10231	0.070

XLPE INSULATED MHD COPPER CONDUCTOR

APPLICATION

Cross-linked Polyethylene insulated medium hard drawn copper conductors are to be used as jumper on electric distribution system.

CONSTRUCTION

Conductor: MHD Copper conductor to ASTM B-2

Insulation: XLPE to NEMA WC-7



STANDARD

ASTM B-2 & B-8

NEMA WC-7

ICEA S-66-524

PHYSICAL DATA					TECHNICAL DATA		
REB Item Code	Size of conductor	No. of Strand & diameter of wire	Nominal thickness of insulation	Approx. Overall diameter	Approx. weight of conductor	Minimum breaking load	Maximum D.C resistance of conductor at 25 °C
	AWG	no./mm	mills/mm	mills/mm	kg/km	kgf	W/km
D-16	3	3/3.36	60/1.52	405/10.29	283	1070	0.683
D-17	1/0	7/3.12	62/1.57	481/12.22	541	2155	0.344
D-18	4/0	7/4.42	62/1.57	630/16.00	1050	3694	0.166
D-19	1000 MCM	61/3.25	94/2.38	1339/34.01	4830	17570	0.0356