



S.M.C

Three Core XLPE Insulated Cables 3.6/6.0 to 19/33 KV

Three core cables 3.6/6.0 KV to 18/30 KV

Copper or Aluminum conductors,

XLPE Insulated Armored Cables

Normal Area of Conductor Sqmm	In Air		In Ground		In Duct	
	Laid Singly		Laid Singly		Laid Singly	
	Copper	Aluminum	Copper	Aluminum	Copper	Aluminum
	A		A		A	
50	218	162	214	153	184	130
70	263	201	260	188	218	159
95	329	239	306	221	260	192
120	373	282	347	255	295	216
150	428	316	387	288	337	245
185	488	368	438	322	377	279
240	567	431	499	365	433	322
300	647	488	551	418	478	361
400	736	565	611	471	540	414

Operating conditions:

Ambient air temperature: 30°C

Ground temperature: 20°C

Depth of laying: 0.8m

Thermal resistivity of soil: 1.2 K.m/W

Above values can be applied safety for unarmored cables also.