

Medium Voltage Cable

(INQ.No.:Date:1398/12/13),(PROPOSAL NO.:LZ-41293-00)

Item NO.:1

R11

TECHNICAL SPECIFICATION	
AI/SC/XLPE/SC/SCT/CWS/Pet/PVC/ATA/PVC	
DESCRIPTION	SPECIFICATION
<u>GENERAL</u>	
Type of Cable	MV 1x185 RM / 25 mm ²
Applicable Standard(s)	IEC 60502-2
Rated Voltage	12/20 (24) kV
<u>CONSTRUCTION</u>	
Conductor Type / Material / Cross Section	Stranded (class 2) / Aluminium/185 mm ²
Conductor Screen	Semi Conductor
* Insulation Thick. (Nom.) / Material	5.5 mm / XLPE
Insulation Screen	Semi Conductor
Bedding Material	Semi-Conductor Tape
Overall Metallic Screen Material	Copper wires + open helix copper tape
Wrapping Material / Thickness	Polyester Tape / 0.05 mm
Separation Sheath Thick. (Nom.) / Material / O.D	1.2 mm / Extruded PVC ST2/ 35.5 mm
Armour Thick. (Nom.) / Material	0.5 mm / Double Aluminium Tape
** Outer Sheath Thick. (Nom.) / Material / Colour	2.2 mm / Extruded PVC ST2 / Red
Overall diameter (Approx.)	41.9 mm
Weight (Approx.)	2070 kg/km
<u>ELECTRICAL PROPERTIES</u>	
Max Conductor D.C. Resistance At 20°C	0.164 Ω/km
Inductance Flat-2D Distance	0.580 mH/km
Inductance (Trefoil Formation)	0.395 mH/km
Capacitance (Core To Screen)	0.263 µF/km
<u>SPECIAL PROPERTIES</u>	
Flame Retardant	IEC 60332-1-2
UV Resistant	UL 1581 Section 1200
<u>INSTALLATION GUIDES</u>	
Min. Temp. During Installation	-5 °C
Max. Pulling Tension by Basket Grip	5,260 N
Min. Bending Radius After installation	15 O.D
<u>MARKING</u>	
ABHAR CABLE YEAR 1x185 RM/25 SQMM MEDIUM VOLTAGE 12/20 kV UV RESISTANT IEC 60502-2 METER	

000-034-588 / WSF05-03

*Acc. to IEC 60502-2 (ed. 2005), Insulation thickness can be minimum if the eccentricity is met.**For selection of cable glands,consult the manufacturer for exact cable diameter allowance

Approve1	Approve2
M.M	M.AK