ABHAR CABLE CO.

Medium Voltage Cable

(INQ.No:,Date:1403/07/07),(PROPOSAL NO.:WP-47110-00)

Item NO.:11 **R00**

TECHNICAL SPECIFICATION

Cu/SC/XLPE/SC/SCT/CWS/Pet/PVC

	DESCRIPTION	SPECIFICATION
	GENERAL	
	Type of Cable	**MV 1x150 RM / 25 mm²**
	Applicable Standard(s)	**IEC 60502-2**
	Rated Voltage	**12/20 (24) kV**
	CONSTRUCTION	
	Conductor Type / Material / Cross Section	**Stranded (class 2) / Plain Annealed Copper/150 mm²**
	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 / 0.036 mm**
**	Outer Sheath Thick. (Nom.) / Material / Colour	**2 mm / Extruded PVC ST2 / Red + Ripcord**
	Overall diameter (Approx.)	**33.3 mm**
	Weight (Approx.)	**2200 kg/km**
	ELECTRICAL PROPERTIES	
	Max Conductor D.C. Resistance At 20°C	**0.124 Ω/km**
	Inductance Flat-2D Distance	**0.550 mH/km**
	Inductance (Trefoil Formation)	**0.365 mH/km**
	Capacitance (Core To Screen)	**0.248 µF/km**
	SPECIAL PROPERTIES	
	Flame Retardant	**IEC 60332-1-2**
	UV Resistant	**UL 1581 Section 1200**
	INSTALLATION GUIDES	
	Min. Temp. During Installation	**-5 °C**
	Max. Pulling Tension by pulling head	**7,500 N**
	Min. Bending Radius After installation	**15 O.D**

MARKING

ABHAR CABLE YEAR 1x150 RM/25 SQMM MEDIUM VOLTAGE 12/20 kV UV RESISTANT IEC 60502-2 N2XSY METER

***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
A.A	*A.A*