

High Voltage Cable

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

Item NO.:10

R01

TECHNICAL SPECIFICATION

AI/WBT/SCWBT/SC/XLPE/SC/SCWBT/CWS/WBT/AIPE/HDPE/ATA/BPT/HDPE/GC

DESCRIPTION	SPECIFICATION
<u>GENERAL</u> Type of Cable Applicable Standard(s) Rated Voltage	HV 1x800 RM / 60 mm ² IEC 60840 38/66 (72.5) kV
<u>CONSTRUCTION</u> Conductor Type / Material / Cross Section Separation Material Separation Material Conductor Screen Insulation Thick. (Nom.) / Material Insulation Screen Bedding Material Overall Metallic Screen Material Wrapping Material Metallic Sheath Thick. / Material Separation Sheath Thick. (Nom.) / Material / O.D Armour Thick. (Nom.) / Material Wrapping Material * Outer Sheath Thick. (Nom.) / Material / Colour Overall diameter (Approx.) Weight (Approx.)	Stranded (class 2) / Aluminium/800 mm ² Semi-Conductor Water Blocking Tape Semi-Conductor Tape Semi Conductor 11.2 mm / XLPE Semi Conductor Semi-Conductor Water Blocking Tape Copper wires + open helix copper tape Water Blocking Tape 0.28 mm / Aluminium Copolymer Coated Tape 2 mm / Extruded HDPE/ 70.2 mm 0.5 mm / Double Aluminium Tape Bitumenized Paper Tape 3.2 mm / Extruded HDPE / Black + Graphite 80 mm 6740 kg/km
<u>ELECTRICAL PROPERTIES</u> Max Conductor D.C. Resistance At 20°C Inductance Flat-2D Distance Inductance (Trefoil Formation) Capacitance (Core To Screen)	0.0367 Ω/km 0.550 mH/km 0.365 mH/km 0.266 µF/km
<u>SPECIAL PROPERTIES</u> UV Resistant	UL 1581 Section 1200
<u>INSTALLATION GUIDES</u> Min. Temp. During Installation Max. Pulling Tension by Basket Grip Min. Bending Radius After installation	-5 °C 19,200 N 20 O.D
<u>MARKING</u> ABHAR CABLE YEAR 1x800 RM/60 SQMM HIGH VOLTAGE 66 kV UV RESISTANT IEC 60840 TREC BATCH NO. METER	

001-756-386 / WSF05-03

*For selection of cable glands,consult the manufacturer for exact cable diameter allowance

Approve1	Approve2
AW+C	AW+C