


SIGN & DATE		PRODUCT STANDARD DETAILED ENGINEERING				TG70263																																		
						Page 1 of 3																																		
SUPERSEDES INVENTORY NO. NO INVENTORY No						Based on data sheet of K-FLEX Wires and Cables																																		
PURCHASE SPECIFICATION FOR 1.5 SQ.MM,4 CORE, PVC INSULATED CABLES																																								
1. SCOPE This specification covers the details of signal PVC insulated,1.5 sq.mm,4 core cable.																																								
2. GENERAL REQUIREMENTS <div style="margin-left: 20px;"> 2.1 APPLICATION This specification is applied to the signal cable used for level switch and pressure switch wiring in Generator Auxiliary skid. </div> <div style="margin-left: 20px;"> 2.2 DOCUMENTS TO BE SUBMITTED Manufacturer shall submit the specified number of copies of the following documents provided in Table 1 for Purchaser's approval within <u>2</u> weeks after receiving Purchaser's order and drawing. </div> <div style="text-align: center; margin: 10px 0;"> Table 1 Documents to be submitted </div> <table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px;">Document Title</td> <td style="padding: 5px;">Test and inspection Report</td> </tr> <tr> <td style="padding: 5px;">Number of copy</td> <td style="padding: 5px; text-align: center;">2</td> </tr> </table>							Document Title	Test and inspection Report	Number of copy	2																														
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3. QUALITY ASSURANCE The quality control shall conform to the requirements of ISO 9001.																																								
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PRODUCT STANDARD DETAILED ENGINEERING

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4. TECHNICAL SPECIFICATION

4.1 General Technical Characteristic:

Table 2

Properties	VALUES
Conductor material	Plain annealed copper
Type of Cable	Stranded wires with 1.5Sq.mm cross sectional area
No of Strands/diameter	7X0.53mm
Insulation	PVC type
Cable color	For Four Core: Red, yellow, blue, black
Outer Sheath	PVC compound(Black)
Temperature Range(Installation)	0°C to +60°C
Operating Top level voltage	600V
Resistance of conductor	12.01Ω/km
Current carrying capacity	19Amps
Voltage drop	25mv/A/m
Operating temperature	0°C to +60°C
Short Circuit Main Conductor Temperature	250°C
Installation type	Conduit wiring
Flame retardant & Self Extinguishing	BS EN 50065
Special requirement	Material used for manufacturing are cadmium –free and contains no silicone and free from substances harmful to wetting properties of lacquer

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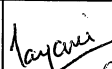
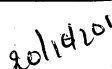
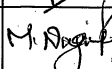
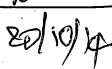
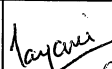
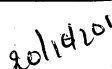
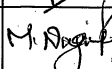
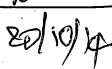
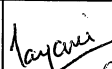
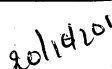
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SUPERSEDES INVENTORY NO. <small>N/O IN INVENTORY NO.</small>	SIGN & DATE	4.2 Dimensions and Code designations Table-3																				
		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Sr.No</th> <th style="width: 15%;">No of core X Cross section</th> <th style="width: 15%;">Thickness of insulation</th> <th style="width: 10%;">Thickness of bedding</th> <th style="width: 10%;">Thickne ss of sheath</th> <th style="width: 10%;">Approx overall diamet er</th> <th style="width: 10%;">Weig ht kg/k m</th> <th style="width: 20%;">Material code designation</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">4x1.5 sq.mm</td> <td style="text-align: center;">0.6</td> <td style="text-align: center;">0.8</td> <td style="text-align: center;">1.4</td> <td style="text-align: center;">13</td> <td style="text-align: center;">370</td> <td style="text-align: center;">TG7026360001</td> </tr> </tbody> </table>							Sr.No	No of core X Cross section	Thickness of insulation	Thickness of bedding	Thickne ss of sheath	Approx overall diamet er	Weig ht kg/k m	Material code designation	1	4x1.5 sq.mm	0.6	0.8	1.4	13
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<div> 4.3 Testing standard Testing shall be as per IS:694 </div> <div style="margin-top: 20px;"> <u>5. PACKING AND INDICATION</u> Product shall be properly packed to prevent damage or moisture absorption during transportation and following points shall be clearly indicated. <ol style="list-style-type: none"> (1) Name or product No. (2) Dimension, Quantity (3) Order No. (4) Lot No. (5) Manufacturers Name or Code. (6) Manufacture Date </div>																						
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