		SPECIFICATION OF PVC MA	IDI EN DITT CII (CIII)			
	MomenGature .	PVC Master Batch (Grey)				
	Use	To be used in combination of Low Temperature PVC Compound for Sheathing of Carried Quad Cable [CQC]				
	Relevant Spec.	MSCQ - 7B, JSS 6145-26:2014 (Revision No. 1) and BS-6746C				
	Specific : Condition of material	Physical Condition: Pre Compounded Grey Granules.				
	Granule	a. Specific Gravity of Granule	1.23 ± 0.03			
	Properties	b. Colour	The material supplied shall be able to provide colour Extruded Sheath to confirm Grey Colour as per BS-6746 mixing 4% Master Batch to PVC Compund (Natural colou Specification No.04, Issue No.01 dated 16-05-2006, revision			
			no. 02 dated 07.09.2017			
	Physical	a. Physical Test on Sheath before ageing				
	Properties	i Tensile Strength	Not less than 13.72 N/mm sq.			
		(Speed of the movable jaw shall be:250 mm ± 50 mm/minute)				
		ii Elongation	Not less than 300%			
		(Speed of the movable jaw shall be 250 mm ± 50 mm/minute)				
		b. Physical Test on Sheath after ageing at 8	180°±1°C for 14 days			
		ii Wariation in T.S.	Not less than 90% of values before aging.			
3		ii. Variation in Elongation	Not less than 90% of values before aging.			
er vi		c. Cold Best Test on Completed cable				
		i Cold Bend Test at -40°C ± 1°C before ageing Mandrel of Diameter 25.40 mm ± 0.1 mm (Duration 24 Hours)	There shall be no visible sign of cracking of the sheath break on completed Cable when examined under magnifying glass (Focal length 80 mm)			
>		ii Cold Bend Test at -55°C ± 1°C before ageing Mandrel of Diameter 50.8 mm ± 03 mm (Duration 24 Hours)	There shall be no visible sign of cracking of the sheath break on completed Cable when examined under magnifying lass (Focal length 80 mm)			
1		Above referred Cold Bend Test at c(i) & c(i	i) will be carried out before ageing as well as after ageing.			
$\backslash \rfloor$	_ 0	f. Compression Test (Insulation) Heat Test	on sheath			
A	VETTED ATIO	Mandrel of Diameter 50.8 mm ± 0.3 mm (Duration 24 Hours) Above referred Cold Bend Test at c (i) & c (i) d. Compression Test (Insulation) Heat Test i Hot deformation Test at 120°C ± 1°C Mandrel of Diameter 9.4mm ± 0.1 imm (Duration 1-Hour)	There shall be no evidence of cracking of the sheath who examined under magnifying glass (Focal length 80 mm)			
14	W	Mandrel of Diameter 9.4mm ± 0.1 mm (Duration 1-Hour)				
		120 Hours)	at both faces of sheet.			
	Packing	polyethylene bags each containing 25 kilogram				
10/2	Marking	Each bag of material shall be marked with the following information:				
		a Manufacturer's Name				
		b. Specification or Grade No. of the material.				
	46 6 5 1	c. Batch No.: Batch number to be marked on sides of bags.				
		d. Month and Year of Manufacture	1			
		e. Net Weight				
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