SPECIFICATION FOR LOW TEMPERATURE PVC COMPOUND (NATURAL COLOUR)

1.	Nomenclature	Lov	y Tamanata Duga							
1.	romenciature	Low Temperature PVC Compound (Natural Colour) [Low Temperature -55°C]								
2.	Scope		To be used for Sheathing of Carried Quad Cable [CQC] in combination with PVC Master Batch Grey							
3.	Relevant Spec.	MSCQ – 7B, JSS 6145-26:2014 (Revision No. 1) and BS-6746								
4.	Granule	a.	Specific Gravity	1.23 ± 0.03						
2	Properties		* * *							
5.	CQC sheath ma Compound (Nat No. 01 dated 07	arar C	Ifactured with this material shall confirm the physical properties as per Sl. No. 6, when Low Temperature PVC ral Colour) is mixed with 4% Master Batch Grey of Specification 01, Issue No. 02 dated 01.07.2010, Revision 9.2017.							
6.	Physical Properties	a.	Physical Test on Sheath before ageing							
			i Tensile Strength (Speed of the movable jaw shall be 250 mm ± 50 mm/minute)	Not less than 13.72 N/mm sq.						
	***		ii Elongation (Speed of the movable jaw shall be 250 mm ± 50 mm/minute)							
		b.	Physical Test on Sheath after ageing at 80°±1°C for 14 days							
		100	i. Variation in Tensile Strength	Not less than 90% of values before aging.						
	a 11		ii. Variation in Elongation	Not less than 90% of values before aging.						
		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) ii Cold Bend Test at -55°C ± 1°C before ageing	There shall be no visible sign of cracking of the sheath of break on completed Cable when examined under magnifying glass (Focal length 80 mm) There shall be no visible sign of cracking of the sheath of break on completed Cable when examined under magnifying						
	BY	Abov.	Mandrel of Diameter 50.8 mm ± 0.3 mm (Duration 24 Hours)	There shall be no visible sign of cracking of the sheath of break on completed Cable when examined under magnifying glass (Focal length 80 mm) i) will be carried out before ageing as well as after ageing. on sheath There shall be no evidence of cracking of the sheath when examined under magnifying glass (Focal length 80 mm)						
R Fred E	TESTION	d. Compression Test (Legal Com								
NE	ROSA	u	Compression Test (Insulation) Heat Test on sheath							
AND			mm (Duration 1-Hour)							
			Loss of Mass at 80°C ± 1 °C (Duration	Not more than 2 mg/cm sq. The surface area to be figured						
7.	Packing	Mater	Material should be free from all contaminations. The material shall be packed in maisture free hours.							
.	Marking	poryc	polyethylene bags each containing 25 kilograms of material.							
		Each bag of material shall be marked with the following information: a. Manufacturer's Name								
		b. Specification or Grade No. of the material.								
	F	c. I								
		d. N	d. Month and Year of Manufacture							
	<u> </u>									
	- 26	g. T	The material should be uniform in quality and condition, clean, free from foreign material and defects.							

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