Semiconductive Power Cable Shields (Bonded type)

Property	Density [1)]	MFR [1), 2)]	Tensile Strength [3)]	Elongation at Break [3)]	DC Volume Resistivity [4)] 23°C	DC Volume Resistivity [4)] 90°C	Base Polymer	Carbon Type	Application	Description
Method	ISO 1183-2	ISO 1133-1	ISO 37	ISO 37	NUC Method	NUC Method	-	-		
unit	kg/m^3	g/10min	MPa	%	Ω･cm	Ω･cm	-	-		
Grade										
NUCV-9563S	1120	30	14	250	20	60	EEA	Acetylene Black	Extra-Clean Supersmooth Conductor Shield and Bonded Insulation Shield for HV/EHV Power Cables	Cross-linkable semiconductive polyethylene compound. Supersmooth extruded surface, good scorch resistance, strong adhesion to insulation layer, good thermal stability, excellent electric conductivity and excellent conductor corrosion resistance.
NUCV-9563 XL	1160	12	14	200	20	150	EEA	Acetylene Black	Extra-Clean Supersmooth Conductor Shield and Bonded Insulation Shield for HV/EHV Power Cables	Cross-linkable semiconductive polyethylene compound. Supersmooth extruded surface, good scorch resistance, strong adhesion to insulation layer, good thermal stability, excellent electric conductivity and excellent conductor corrosion resistance.
NUCV-9590	1080	130	15	450	20	40	EEA	Special Carbon	Supersmooth Conductor Shield and Bonded Insulation Shield for MV/HV Power Cables	Cross-linkable semiconductive polyethylene compound. Lower compound density, lower melt viscosity, extremely low sulfur content to remove the risk of the sulfur tree, higher smoothness, excellent stability of volume resistivity, good scorch resistance and mechanical characteristics

1) Values measured without peroxide.

2) Measured at 190°C, 211.8N

3) Molding condition : compression 2mm sheet, Test pieces : ISO 37 type 1A, Test speed : 500mm/min

4) Two-terminal method, compression 2mm sheet, Curing condition: 180°C, 15min

Note ･The values are dependent upon using the testing method as indicated and are offered herein as a guide in the use of compound.