

## Power Cable Insulation Compounds

	Density	MFR (21.18N)	Tensile Strength	Elongatio n	Dielectric Constant (1MHz)	Dissipatio n Factor (1MHz)	Volume Resistivity	XLPE/ Thermo- plastic	Application	Description
unit	g/cm3	g/10min	MPa	%	-	-	ohm-cm	-		
Grade										
NUCV-4302 SR	(0.922)	(2.2)	28	580	2.30	0.0004	> 10 <sup>17</sup>	XLPE	Extra Super-Clean XLPE Insulation for EHV/HV Power Cables up to 500kV	NUCV-4302 SR offers excellent cleanliness for EHV cable production through the NUC quality management system. It enables a long production runs due to its superior scorch resistance property.
HFDJ-4201S SR	(0.922)	(2.2)	28	580	2.30	0.0004	> 10 <sup>17</sup>	XLPE	Super-Clean XLPE Insulation for HV/MV Power Cables up to 275kV	Low density cross-linkable polyethylene with extremely low contamination level. It is specially developed for high productivity through less pressure build-up and excellence scorch property during extrusion.
HFDJ-4201 SR	(0.922)	(2.2)	28	580	2.30	0.0004	> 10 <sup>17</sup>	XLPE	Extra-Clean XLPE Insulation for HV/MV Power Cables	Low density cross-linkable polyethylene with low contamination level. It is specially developed for high productivity through less pressure build-up and excellence scorch property during extrusion.
HFDJ-4201S XL	(0.922)	(2.0)	28	600	2.30	0.0004	> 10 <sup>17</sup>	XLPE	Super-Clean XLPE Insulation for HV/MV Power Cables up to 275kV	Low density cross-linkable polyethylene with extremely low contamination level. This grade has been widely used in Asia Pacific.
HFDJ-4201EC	(0.922)	(2.0)	28	600	2.30	0.0004	> 10 <sup>17</sup>	XLPE	Extra-Clean XLPE Insulation for MV/LV Power Cables	Low density cross-linkable polyethylene with low contamination level. This grade has been widely used in Asia Pacific.
NUCV-9253S XL	(0.919)	(1.0)	29	590	2.30	0.0004	> 10 <sup>17</sup>	XLPE	Super-Clean Low Sag XLPE Insulation for HV/MV Power Cables up to 275kV	Low density cross-linkable polyethylene with extremely low contamination level. This grade has been widely used in Asia Pacific.
HFDA-9253NT EC	(0.919)	(1.0)	29	590	2.30	0.0004	> 10 <sup>17</sup>	XLPE	Extra-Clean Low Sag XLPE Insulation for MV/LV Power Cables	Low density cross-linkable polyethylene with low contamination level. This grade has been widely used in Asia Pacific.
HFDJ-4201S MI3	(0.922)	(3.2)	27	600	2.30	0.0004	> 10 <sup>17</sup>	XLPE	Super-Clean XLPE Insulation for HV/MV Power Cables up to 275kV	Low density cross-linkable polyethylene with extremely low contamination level. This grade has been widely used in Japan for a long time and also in Asia Pacific.

( ) These values are measured without peroxide

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

## Power Cable Insulation Compounds (Carbon Black and Peroxide Filled)

	Density	MFR (21.18N)	Tensile Strength	Elongatio n	Dielectric Constant (1MHz)	Dissipatio n Factor (1MHz)	Volume Resistivity	XLPE/ Thermo- plastic	Application	Description
unit	g/cm3	g/10min	MPa	%	-	-	ohm-cm	-		
Grade										
NUCV-9210 XL	(0.93)	(3.2)	28	600	2.48	0.0003	> 10 <sup>17</sup>	XLPE	Jacket for Spaced Aerial Cable(SAC)	Carbon black and peroxide filled crosslinkable polyethylene compounds. Excellent dispersion of carbon black, tracking resistance, thermal stability, weather resistance and low temperature extrudability.
NUCV-9215 XL	(0.92)	(2.8)	27	570	2.34	0.0003	> 10 <sup>17</sup>	XLPE	Insulation for Area Power Distribution Wires up to 33kV	
NUCV-9217 XL	(0.92)	(2.0)	29	600	2.35	0.0005	> 10 <sup>17</sup>	XLPE		

( ) These values are measured without peroxide

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