



NA2X(F)KLD2Y

High Voltage Cables

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DESCRIPTION

Engineering Overview The NA2X(F)KLD2Y high-voltage cable series is engineered to meet the rigorous demands of modern industrial electrical networks, offering high dielectric strength and excellent thermal cycling resistance. This series is ideal for applications that require reliable power distribution in high-voltage settings.

Technical Performance and Construction This cable series is built with high-conductivity stranded copper conductors, ensuring superior ampacity and efficient power transmission. The cross-linked polyethylene (XLPE) insulation provides enhanced thermal properties and dielectric strength, critical for maintaining integrity under high voltage and temperature conditions. Optimized conductor design to maximize current carrying capacity and minimize thermal losses. XLPE insulation for improved fault current withstand and resistance to environmental stressors. Designed for IEC compliance and CPR classification, ensuring adherence to international safety and performance standards.

Installation and Compliance The NA2X(F)KLD2Y series supports various installation methods including direct burial and cable tray mounting. Its robust construction allows for installation in trefoil formation, optimizing space and reducing induced voltages. Metallic screening layers enhance electromagnetic compatibility (EMC), crucial for installations in electromagnetically active environments. The cable's design minimizes electromagnetic interference, aiding in the stability of the entire power network. Each cable variant is marked with CE marking, signifying European conformity with health, safety, and environmental protection standards.

TECHNICAL DATA

Rated voltage (kV)	64/110 kV
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CROSS-SECTION DATA — 64/110 kV

Cores & CS	Cond.	RI [Ohm/km]	Wi [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
1x240RM	Al	0.16	16.5	2.1	86	5510
1x300RM	Al	0.13	15.5	2.2	86	5630
1x400RM	Al	0.1	14.5	2.2	87	5750
1x500RM	Al	0.08	14	2.3	90	6380
1x630RM	Al	0.06	14	2.4	94	7000
1x800RM	Al	0.05	14	2.5	98	7960
1x1000RM	Al	0.04	14	2.6	103	9030
1x1200RMS	Al	0.03	14	2.8	112	10450
1x1400RMS	Al	0.03	14	2.8	114	11190
1x1600RMS	Al	0.02	14	2.9	118	12140
1x1800RMS	Al	0.02	14	3.1	122	13220
1x2000RMS	Al	0.02	14	3.1	124	13900
1x2500RMS	Al	0.02	14.5	3.3	133	15970
1x3000RMS	Al	0.01	14.5	3.5	141	18720