NA2X(F)K2Y

High Voltage Cables

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DESCRIPTION

}>Engineering OverviewThe NA2X(F)K2Y high-voltage cable series is engineered to meet the rigorous demands of modern industrial and power distribution applications. It combines high-grade copper conductors with cross-linked polyethylene (XLPE) insulation, ensuring superior dielectric strength and thermal cycling resilience.Technical Performance and InstallationThis cable series is optimized for high ampacity and excellent fault current withstand capabilities, making it ideal for environments where reliability and durability are paramount. The construction adheres to strict IEC compliance standards, ensuring both performance and safety.Stranded copper conductors enhance current carrying capacity and heat dissipation.XLPE insulation provides significant improvements in thermal characteristics and longevity compared to traditional PVC.Installation versatility with suitability for direct burial, trefoil formation, or cable tray mounting, accommodating various environmental conditions and spatial configurations.Compliance and EMC ConsiderationsThe NA2X(F)K2Y series not only meets IEC standards but also features a robust design to ensure electromagnetic compatibility (EMC). This design minimizes induced voltage effects, crucial in densely populated cable routes and close proximity to sensitive equipment.Comprehensive CPR classification and CE marking confirm the cable's adherence to European safety and quality benchmarks.Metallic screens incorporated within the cable structure effectively manage electromagnetic interference, safeguarding signal integrity across extensive networks.

TECHNICAL DATA

Rated voltage (kV)	64/110 kV	

CROSS-SECTION DATA — 64/110 kV

Cores & CS	Cond.	Rl [Ohm/km]	Wi [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
1×150RM	Al	0.26	18	1.3	67	7360
1×185RM	Al	0.21	17	1.3	66	7270
1×240RM	Al	0.16	16.5	1.3	67	7480
1×300RM	Al	0.13	15.5	1.3	67	7600
1×400RM	Al	0.1	14.5	1.4	68	7890
1×500RM	Al	0.08	14	1.4	70	8400
1×630RM	Al	0.06	14	1.5	74	9390
1×800RM	Al	0.05	14	1.6	78	10350
1×1000RM	Al	0.04	14	1.7	84	11620
1×1200RMS	Al	0.03	14	1.8	91	13250
1×1400RMS	Al	0.03	14	1.9	93	14100
1×1600RMS	Al	0.02	14	1.9	97	15160
1×1800RMS	Al	0.02	14	2	101	16410
1×2000RMS	Al	0.02	14	2.1	103	17160
1×2500RMS	Al	0.02	14.5	2.2	110	19420
1×3000RMS	Al	0.01	14.5	2.4	119	22550