NA2XS(F)2Y RE/RM Medium Voltage Power Cable

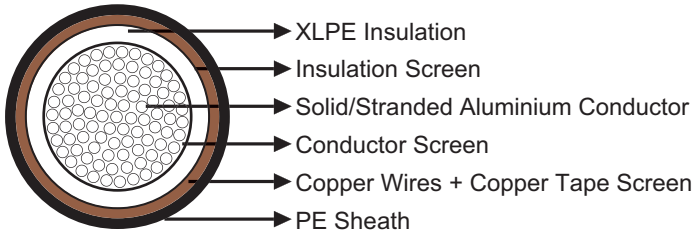
» Application

These cables are commonly used in wind turbines, suitable for indoor installation and in cable ducts, outdoors, underground and in water.

» Standards

IEC 60502-2
DIN VDE 0276 part 620

» Construction



Conductor: Circular solid (RE) or stranded (RM) aluminium conductor.
Conductor Screen: Semiconducting compound.
Insulation: XLPE.
Insulation Screen: Semiconducting compound.
Tape: Semiconducting swellable tape.
Screen: Braiding of copper wires with copper tape.
Tape: Separation tape.
Sheath: PE.

» Technical Data

Rated Voltage Uo/U (Um)	6/10 kV, 12/20 kV, 18/30 kV
Operating Temperatures	-40℃~+90℃
Minimum Bending Radius	15×OD
Short-circuit Temperature	250℃
Longitudinally Water-Tight	Yes
Halogen Free	Yes

Lead Free	Yes

» Dimensions and Weight

6/10 kV

Construction	Nominal Overall Diameter	Nominal Weight
No. of cores×mm²	mm	kg/km
1×70 re	26.5	760
1×95 re	26.5	860
1×120 re	28.5	930
1×150 re	29.5	1130
1×185 re	31.5	1230
1×240 re	33.5	1470
1×300 re	36.5	1670
1×400 re	40.5	2060
1×500 re	43.5	2400
1×630 re	45.5	2790
1×800 re	49.5	3340
1×1000 re	53.5	4000
1×35 rm	25.5	600
1×50 rm	26.5	670
1×70 rm	28.5	770
1×95 rm	29.0	880
1×120 rm	31.0	950
1×150 rm	32.0	1150
1×185 rm	34.0	1250
1×240 rm	36.0	1500
1×300 rm	38.5	1700
1×400 rm	42.5	2100
1×500 rm	45.5	2450
1×630 rm	47.5	2850
1×800 rm	52.5	3490
1×1000 rm	56.5	4080

12/20 kV

Construction	Nominal Overall Diameter	Nominal Weight
No. of cores×mm²	mm	kg/km
1×70 re	30.5	910
1×95 re	31.5	1030
1×120 re	32.5	1130
1×150 re	33.5	1320
1×185 re	35.5	1470
1×240 re	38.5	1720
1×300 re	40.5	1960
1×400 re	43.5	2300
1×500 re	46.5	2740

Power Cable

Construction	Nominal Overall Diameter	Nominal Weight
No. of cores×mm²	mm	kg/km
1×630 re	49.5	3070
1×800 re	53.5	3680
1×1000 re	57.5	4360
1×50 rm	30.5	820
1×70 rm	32.5	930
1×95 rm	33.5	1050
1×120 rm	35.0	1150
1×150 rm	36.0	1350
1×185 rm	38.0	1500
1×240 rm	41.0	1750
1×300 rm	43.0	2000
1×400 rm	46.0	2350
1×500 rm	49.0	2800
1×630 rm	51.5	3140
1×800 rm	57.5	3840
1×1000 rm	60.5	4460

18/30 kV

Construction	Nominal Overall Diameter	Nominal Weight
No. of cores×mm²	mm	kg/km
1×70 re	34.5	1180
1×95 re	35.5	1320
1×120 re	37.5	1420
1×150 re	38.5	1670
1×185 re	40.5	1810
1×240 re	42.5	2010
1×300 re	45.5	2300
1×400 re	48.5	2740
1×500 re	51.5	3140
1×630 re	55.5	3480
1×800 re	59.5	4100
1×1000 re	63.5	4800
1×50 rm	35.0	1100
1×70 rm	37.0	1200
1×95 rm	38.0	1350
1×120 rm	40.0	1450
1×150 rm	41.0	1700
1×185 rm	43.0	1850
1×240 rm	45.0	2050
1×300 rm	48.0	2350
1×400 rm	51.0	2800
1×500 rm	54.0	3200
1×630 rm	57.5	3570
1×800 rm	62.5	4280
1×1000 rm	66.5	4970