

## NA2XS(F)2Y 12/20KV 1X185RM/25



### APPLICATION

Power cable with round, stranded and compacted aluminium conductor. The screen is made up of circular copper wires. For fixed outdoor installations, suitable for ploughing down.

### CERTIFICATIONS AND DESIGN STANDARDS



#### HD 620-10C

Distribution cables of rated voltage 6-36 kV

Conductor material	Aluminium
Core insulation material	XLPE
Screen construction	Wire screen and counterhelix tape
Screen	Yes
Screen material	Copper, bare
Material outer sheath	HDPE
Nominal voltage U <sub>0</sub> [V]	12,000
Nominal voltage U [V]	20,000
Test voltage [kV]	42
Resistant to UV	Yes
Rated voltage U <sub>0</sub> /U (U <sub>m</sub> )	12/20 (24) kV
Max. conductor temperature [°C]	90
Max. conductor temperature at short circuit [°C]	250
Resistant to UV	Yes
Permitted cable outer temperature during assembling/handling (min) [°C]	-20
Bending radius (rule)	During installing: 15 x D single-core cables

### MECHANICAL DATA

Basic construction	1x185/25
Diameter conductor [mm]	15.6
Nominal diameter over insulation [mm]	27.8
Nominal outer diameter [mm]	37
Cable weight [kg/km]	1,420
Min. final single bending radius [mm]	390
Min. bending radius during installation [mm]	560

## CURRENT DATA

Basic construction	1x185/25
Current carrying capacity in ground [A]	330
Current carrying capacity in air [A]	425
Current carrying capacity [A]	345
Short circuit current conductor (Isec) [kA]	19.2

Current load in ground, cable 65°C, installation method D2 (directly in ground). Ground temperature 15°C, thermal resistivity 1,0 K.m/W

Current load in air, cable 90°C, installation method E, temperature 25°C

Current load, cable 65°C, installation method E, temperature 25°C

Short circuit initial temperature 65°C

Item name	EAN-code (GTIN)	Packaging type	Standard packaging quantity
NA2XS(F)2Y 1X185RM/25 12/20KV CPR F			