

N2XS2Y 20,8/36KV CPR F

Copper medium voltage cables 36kV



F_{ca}
CPR

STANDARDS AND CERTIFICATIONS



RoHS



EN 60228

DIN VDE 0276-620

EN 60754-1

Conductors of insulated cables

Distribution cables for rated voltages from 3,6/6(7,2) up to and including 20,8/36(42) kV

Test on gases evolved during combustion of materials from cables. Halogen acid gas content.

CABLE DESIGN

Conductor material	Copper
Core insulation material	XLPE
Screen construction	Wire screen and counterhelix tape
Screen material	Copper, bare
Material outer sheath	PE
Cable shape	Round

ELECTRICAL & THERMAL PARAMETERS

Nominal voltage U ₀ [V]	20,800
Nominal voltage U [V]	36,000
Test voltage [kV]	72.8
Rated voltage U ₀ /U (U _m)	20.8/36 (42) kV
Max. conductor temperature [°C]	90
Max. conductor temperature at short circuit [°C]	250
Laying temperature (min) [°C]	-20
Laying temperature (max) [°C]	50

CHEMICAL PROPERTIES

CPR reaction to fire	Fca
Resistant to UV	Yes
UV resistant	Yes
Silicon free	Yes
Lead free	Yes

CHARACTERISTICS

Outdoor installation	Yes
Underground installation	Yes
Suitable as installation cable	Yes
Bending radius (rule)	During installing: 15 x D single-core cables

Our commitment to low-carbon future remains unwavering as we strive to create sustainable solutions while upholding quality standards. We prioritize sustainability and environmental protection in our daily operations, collaborating with local communities to ensure workplace safety and safeguard the areas we operate in. Check for more details here about our sustainability commitment here: [Sustainability report and responsibility](#)

Sustainability and environmental responsibility is evident also in our packaging solutions across the CEE region. We use fully recyclable drum cover foils to minimize environmental impact. Our packaging for rings is made from 30% recycled materials, supporting a circular economy. Additionally, our boxes are made from recyclable, environment-friendly cardboard, promoting eco-conscious choices. By choosing Prysmian, you are not only selecting high-quality products but also contributing to a greener future.



CURRENT CARRYING CAPACITY

Cross-section (mm ²)	Direct in ground trefoil (A)	Direct in ground flat spaced (A)	Air trefoil (A)	Air flat spaced (A)
70	274	304	299	350
95	327	362	363	425
120	371	409	418	488
150	414	449	472	548
185	466	502	539	624
240	539	574	635	728
300	606	640	725	828
400	680	695	831	922
500	765	773	953	1045
630	856	842	1087	1159
800	943	903	1321	1267
1000	1020	955	1339	1357

Ground temperature: 20°C; Air temperature: 30°C
 Depth of laying: 0,7 m; Soil resistivity, moist: 1 K.m/W
 Screen bonded at both ends