

# N2XS2Y 20,8/36KV CPR F

Copper medium voltage cables 36kV





#### STANDARDS AND CERTIFICATIONS



RoHS (Ref)

EN 60228 DIN VDE 0276-620

EN 60754-1

## CABLE DESIGN

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.

#### Conductor material Core insulation material Screen construction Screen material Material outer sheath Cable shape

Copper XLPE Wire screen and counterhelix tape Copper, bare PE Round

#### **ELECTRICAL & THERMAL PARAMETERS**

Nominal voltage U0 [V]	20,800
Nominal voltage U [V]	36,000
Test voltage [kV]	72.8
Rated voltage U0/U (Um)	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

Technical data, dimensions and weights are subject to change. All sizes and values without tolerances are reference values. Specifications are for products supplied by Prysmian: any modification or alteration of products may give different results. The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian. The information is correct to the best of our knowledge at the time of publication. Prysmian reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorized by Prysmian. © All rights reserved by Prysmian 2024 • www.prysmian.com



### **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.

MICA INITIATIVE

REDUCE. REUSE. RECYCLE.







### **CURRENT CARRYING CAPACITY**

Cross-section (mm <sup>2</sup> )	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

Technical data, dimensions and weights are subject to change. All sizes and values without tolerances are reference values. Specifications are for products supplied by Prysmian: any modification or alteration of products may give different results. The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian. The information is correct to the best of our knowledge at the time of publication. Prysmian reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorized by Prysmian. © All rights reserved by Prysmian 2024 • www.prysmian.com