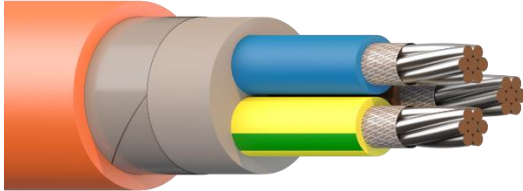


TN 1000 1kV - Double insulated Tunnel Cable - Emergency



This drawing is for indication only and may not necessarily be 100% correct according to design, number of cores and colour.

Application

For installation in tunnels with voltages up to 1kV, where the circuit integrity has to be maintained during a fire. **Especially designed for emergency power systems.** The cable is UV /sunlight resistant and has an extra protection against oil and diesel. Halogen free cables are recommended to avoid dense smoke and corrosive gasses in case of overheating or a fire.

Expected lifetime atleast 50 years

Construction	
Conductor	Stranded tinned copper, Class 2 circular, IEC 60228
Insulation	Mica-tape + EPR
Insulation colours	3G = Yellow/Green - Blue - Brown 5G = Yellow/Green - Blå - Brun - Sort - Grå
Inner covering	Halogen free extruded compound
Tape	Halogen free tape
Outer sheath	Halogen free Compound
Colour	Orange
Sheath Marking	Printed with cable type and dimensions. Meter marking and year of production. Cable type is marked as TNL 1000
Delivery	Wooden drums

Unarmoured, Halogen free, Low Smoke, Oil-resistant and Fire Resistant (1000°C / 3 hours)

Max conductor temperature: 90°C
 Voltage rating U_0/U : 0,6/1kV
 CENELEC designation:

Standards

Construction: IEC 60502-1
 Conductor: IEC 60228 class 2
 Insulation: IEC 60502-1
 Sheath: IEC 60092-360
 Fire resistance: IEC 60331-21 (1000°C / 3 hours)
 Flame retardant: IEC 60332-3-22 (Cat A) and IEC 60332-1-2
 Halogen free: IEC 60754-1 / -2
 IEC 60684-2
 Low smoke: IEC 61034 -1 / -2
 Cold resistance: HD 604-5D (-25°C)
 Oil resistance: IEC 60502-1 (IRM 902 & IRM 903, 30%)
 UV resistance: ISO 4892 part 3

CE

Afumex®

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TN 1000 e05

TN 1000 1kV - Double insulated Tunnel Cable - Emergency

No. of cores and cross-section mm ²	Conductor type (*)	Overall diameter mm	Weight pr 1000 m ca. kg	Part. no.	EI number (Norway only)
3G 2,5	FR	15,5 ± 0,8	355	20197658	1095357
3G 4	FR	16,5 ± 0,8	435	20197659	1095358
3G 6	FR	18 ± 0,8	535	20197660	1095359
3G 10	FR	20 ± 1,0	710	20197661	1095360
3G 16	FR	22 ± 1,0	955	20197667	1095361
3G 25	FR	26 ± 1,0	1385	20197668	1095362
5G 2,5	FR	18 ± 0,8	485	20197662	1095363
5G 4	FR	19 ± 0,8	600	20197663	1095364
5G 6	FR	20,5 ± 1,0	765	20197664	1095365
5G 10	FR	23,5 ± 1,0	1030	20197665	1095366
5G 16	FR	26 ± 1,0	1420	20197666	1095367
5G 25	FR	31 ± 1,5	2055	20197669	1095368

FR = stranded circular

Deliver form and delivery length may be changed.
Not all sizes are stocked items.

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