

TNL U 1kV - Tunnel Cable - Universal / Multipurpose



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. 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.

Unarmoured, Halogen free, Low Smoke, Oil-resistant and flame retardant

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
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

Construction	
Conductor	Stranded tinned copper, Class 2 circular, IEC 60228
Insulation	EPR
Insulation colours	3G = Yellow/Green - Blue - Brown 5G = Yellow/Green - Blue - Brown - Black - Grey
Outer sheath	Halogen free Compound
Colour	Blue
Sheath Marking	Printed with cable type and dimensions. Meter marking and year of production. Cable type is marked as TNL U
Delivery	Wodden drums

CE
Afumex®

Subject to change without prior notice

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TNL U e06

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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	12 ± 0,8	245	20184200	1095340
3G 4	FR	13,5 ± 0,8	315	20184271	1095341
3G 6	FR	14,5 ± 0,8	405	20183967	1095342
3G 10	FR	16,5 ± 0,8	565	20196672	1095354
3G 16	FR	19 ± 0,8	800	20196673	1095355
3G 25	FR	22,5 ± 1	1170	20196674	1095356
5G 2.5	FR	14,5 ± 0,8	350	20183968	1095343
5G 4	FR	16 ± 0,8	455	20183969	1095344
5G 6	FR	17,5 ± 0,8	595	20183970	1095345
5G 10	FR	20 ± 1	850	20183971	1095346
5G 16	FR	22,5 ± 1	1210	20183972	1095347
5G 25	FR	27,5 ± 1	1790	20183973	1095348
5G 35	FR	30,5 ± 1,5	2320	20184272	1095349
5G 50	FR	35,5 ± 1,5	3165	20184273	1095350
5G 70	FR	41 ± 2	4410	20184274	1095351
5G 95	FR	47 ± 2	5865	20184275	1095352
5G 150	FR	57 ± 2,5	8920	20184276	1095353

FR = stranded circular

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

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