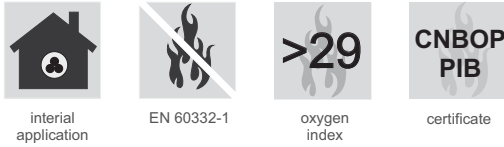


YnTKSYekw Screened fire alarm cables for fixed installations



Technical data:

Operating temperature: -40°C to 70°C
Min. installation temperature: -5°C
Operating voltage: 150V
Test voltage:
 AC 1500V
 DC 2250V
Insulation resistance: >200MΩxkm
Conductor resistance (at 20°C):
 0,8mm: 37,5Ω/km
 1mm: 24Ω/km
Conductor capacitance:
 Max. 150nF/km
 Average 140nF/km
Inductance: ca.0,7mH/km
Min. bending radius: 10xØ

Construction:

Conductors: solid copper conductor, class 1
Insulation: special PVC
Core colours: acc. PN-92/T-90320 (90321)
Core arrangement: cores twisted in pairs, pairs twisted together
Screen: aluminium backed polyester tape with tinned copper drain wire
Outer sheath: special PVC, highly flame retardant and self-extinguishing
 EN 60332-1, EN 60332-3-24, IEC 60332-3-24, cat. C), oxygen index >29
Outer sheath colour: red

Application:

Special cables for connections of telephone switchboards and data transmission devices, using analogue and digital signals for control and fire alarm installations. Cables are used mainly as transmission lines and power line for fire alarm systems' devices (sensors, linear modules) and for autonomous fire fighting control systems and smoke extraction systems. Cables are suitable for installations used at the „0” moment of fire detection (moment of fire detection by the fire detection centre). Cables are intended for transmission of signal to auxiliary devices, which in case of fire detection are run by the central fire alarm (power cut-off, bringing down the lifts/elevators, ventilation cut-off) . Electrostatic screen protects the cables against external electromagnetic fields' interferences. Cables classified according to **EN 50575 (CPR)**.

Core colours:

Pair no.	Cores colours	
	a	b
1	white	blue
2		orange
3		green
4		brown
5		grey
6		blue
7	red	orange
8		green
9		brown
10		grey

YnTKSYekw

Screened fire alarm cables for fixed installations

Cat no.	nx2xmm	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
TN0100	1x2x0,8	4,2	25	10,9
TN0101	1x4x0,8	4,8	40	20,5
TN0102	2x2x0,8	5,8	43	20,5
TN0103	3x2x0,8	7,1	60	30,2
TN0104	4x2x0,8	7,3	75	39,8
TN0105	5x2x0,8	7,8	90	49,5
TN0112	6x2x0,8	8,8	107	59,1
TN0106	7x2x0,8	9,0	121	68,8
TN0107	10x2x0,8	10,0	168	97,7
TN0113	12x2x0,8	12,3	197	117,0
TN0114	14x2x0,8	13,3	225	136,3
TN0115	20x2x0,8	14,3	307	194,2
TN0108	1x2x1,0	4,8	35	16,3
TN0408	1x4x1,0	5,9	60	31,4
TN0109	2x2x1,0	7,1	65	31,4
TN0411	3x2x1,0	8,2	90	46,5
TN0116	4x2x1,0	8,5	115	61,5
TN0412	5x2x1,0	9,7	145	76,6
TN0117	7x2x1,0	10,9	188	106,8
TN0406	10x2x1,0	12,4	260	152,0
TN0118	12x2x1,0	15,4	305	182,1
TN0119	14x2x1,0	16,6	350	212,3
TN0120	1x2x1,4	7,0	62	30,8
TN0121	1x4x1,4	7,9	101	60,3
TN0122	2x2x1,4	10,0	115	60,3
TN0123	3x2x1,4	10,9	155	89,9
TN0124	4x2x1,4	12,8	205	119,4
TN0125	5x2x1,4	14,0	245	149,0
TN0126	7x2x1,4	15,4	320	208,0
TN0127	10x2x1,4	18,4	460	296,7
TN0407	1x2x1,5mm ²	7,0	62	30,8
TN0409	1x4x1,5mm ²	7,9	101	60,3
TN0128	2x2x1,5mm ²	10,0	115	60,3
TN0129	3x2x1,5mm ²	10,9	155	89,9
TN0130	4x2x1,5mm ²	12,8	205	119,4
TN0131	5x2x1,5mm ²	14,0	245	149,0
TN0132	7x2x1,5mm ²	15,4	320	208,0
TN0133	10x2x1,5mm ²	18,4	460	296,7
TN0134	1x2x1,8	8,2	88	50,1
TN0135	1x4x1,8	9,6	155	98,9
TN0136	2x2x1,8	12,1	170	98,9
TN0137	3x2x1,8	13,2	235	147,8
TN0138	4x2x1,8	15,3	300	196,6
TN0139	5x2x1,8	16,8	365	245,4
TN0140	7x2x1,8	18,9	505	343,1
TN0141	10x2x1,8	22,2	695	489,6
TN0142	1x2x2,3	9,5	130	81,0
TN0143	1x4x2,3	11,0	225	160,7
TN0144	2x2x2,3	13,9	245	160,7
TN0145	3x2x2,3	15,4	340	240,4
TN0146	4x2x2,3	18,2	460	320,2
TN0147	5x2x2,3	20,0	560	399,9
TN0148	7x2x2,3	22,1	750	559,4
TN0149	10x2x2,3	26,4	1060	798,6
TN0150	1x2x2,8	10,7	140	119,4
TN0151	1x4x2,8	12,6	248	237,6
TN0152	2x2x2,8	15,9	265	237,6
TN0153	3x2x2,8	17,9	390	355,7
TN0154	4x2x2,8	20,8	495	473,9
TN0155	5x2x2,8	23,3	625	592,1
TN0156	7x2x2,8	25,8	830	828,4
TN0157	10x2x2,8	30,7	1170	1182,9

Cable Factory BITNER reserves the right to modify the specifications without prior notice