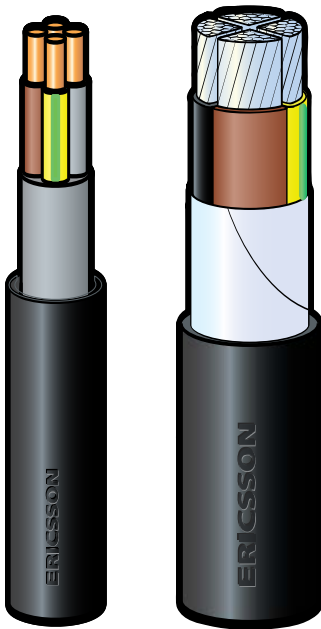


N1XE 1 kV

Product Information



Application

For installation above ground, in ground and in water.
Max conductor temperature 90°C

Design SS 424 14 18, HD603

Conductor

N1XE-U, 10mm², copper, solid round.
N1XE-R, 16mm², copper, stranded round.
N1XE-AR, 25 & 50mm², aluminum, stranded round.
N1XE-AS, ≥95mm², aluminum, stranded sector shaped.

Insulation

XLPE

Inner covering

Extruded or tape

Sheath

PE, black (4G10, 4G16, 4G25, 5G10 and 5G16 also yellow)
Meter marked

Core identification

Cores are identified by insulation colour: yellow/green, brown, black and grey.
In 5G10, 5G16 and 5G25 also blue conductor.

Operating temperature

Max 90°C

Technical data

N1XE 1kV

Conductors X size (mm ²)	Diameter, nominal (mm)			Weight/100m (kg)	Minimum bending radius (mm)	Maximum pulling force (kN)	Conductor resistance (Ω/km)
	Conductor	Insulation	Sheath				
Solid copper conductor (-U)							
4 G 10	3,5	5,0	16,8	57	134	1,4	1,83
5 G 10	3,5	5,0	19,1	69	152	1,8	1,83
Stranded copper conductor (-R)							
4 G 16	4,7	6,1	20,3	84	162	2,0	1,15
5 G 16	4,7	6,1	22,1	106	176	2,4	1,15
Stranded aluminium conductor (-AR)							
4 G 25	5,9	7,7	22,8	49	182	2,6	1,20
5 G 25	5,9	7,7	25,6	65	205	3,3	1,20
4 G 50	7,9	9,9	28	81	224	3,9	0,641
Stranded aluminium conductor (-AS)							
4 G 95			34	147	272	5,7	0,320
4 G 150			41	220	328	8,4	0,206
4 G 240			53	348	424	14,0	0,125

Ordering Information

N1XE 1kV

Conductors X size (mm ²)	Length (m)	Product no.	Drum	Weight (kg)
Solid copper conductor (-U)				
4 G 10	0-450	E 00 073 10	-	-
	500	E 00 073 15	K9	319
4 G 10 Yellow	0-450	E 00 072 40	-	-
	500	E 00 072 45	K9	319
5 G 10	0-450	E 00 073 30	-	-
	500	E 00 073 35	K10	391
5 G 10 Yellow	0-450	E 00 072 60	-	-
	500	E 00 072 65	K10	391
Stranded copper conductor (-R)				
4 G 16	0-450	E 00 073 20	-	-
	500	E 00 073 25	K11	475
4 G 16 Yellow	0-450	E 00 072 50	-	-
	500	E 00 072 55	K11	475
5 G 16	0-450	E 00 073 40	-	-
	500	E 00 073 45	K11	585
5 G 16 Yellow	0-450	E 00 072 70	-	-
	500	E 00 072 75	K11	585
Stranded aluminium conductor (-AR)				
4 G 25	0-450	E 00 073 50	-	-
	500	E 00 073 55	K10	294
4 G 25 Yellow	0-450	E 00 072 80	-	-
	500	E 00 072 85	K10	294
5 G 25	0-450	E 00 076 00	-	-
	500	E 00 076 05	K12	415
4 G 50	0-450	E 00 073 60	-	-
	500	E 00 073 65	K12	495
Stranded aluminium conductor (-AS)				
4 G 95	0-450	E 00 073 70	-	-
	500	E 00 073 75	K14	855
4 G 150	0-450	E 00 073 80	-	-
	500	E 00 073 85	K18	1130
4 G 240	0-450	E 00 073 90	-	-
	500	E 00 073 95	K22	2150

We reserve the right for alterations due to continual product development and/or changes in standards.