

NX400

BS 7846 -F2

0,6/1 kV multi core low smoke halogen free, flame and fire resistant cables

DESCRIPTION

Application:

Rafineries, mines, hotels, schools, tunnels, high constructions, hospitals, power plants, data processing centers, business centers where there is a concentration of sensitive to fire

Construction:

1. **Conductor:**Copper
2. **Fire barrier:**Mica tape
3. **Insulation:** XLPE
4. **Bedding:**LSZH
5. **Armour:**Single layer of galvanized steel wires
6. **Outer sheath:**LSZH

Marking:

ELECTRIC CABLE 600/1000 V BS 7846-F2 NEXANS i NX400 Number of cores x cross section BASEC LPCB 946a/01 "YEAR" ALSECURE PLUS

**EN 50200:2015 PH 120 is also applicable for cross sections 1.5 to 6 mm².



STANDARDS

National BS 7846

CHARACTERISTICS

Construction characteristics

Armour type	Single layer of galvanized steel wires
Insulation	XLPE + Mica tape
Sheath colour	Black
Halogen free	IEC 60754-1

Electrical characteristics

Rated Voltage U _o /U (Um)	0.6/1 kV
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Usage characteristics

Fire resistant	BS 6387 CWZ
Fire retardant	IEC 60332-3 Cat.C



Halogen free
IEC 60754-1



Rated Voltage U_o/U (Um)
0.6/1 kV



Fire resistant
BS 6387 CWZ



Fire retardant
IEC 60332-3 Cat.C



Smoke density
IEC 61034-1-2



Gases corrosivity
IEC 60754-2



Bending factor
when laying
8 (xD)



Flame retardant
EN 60332-1-2

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Usage characteristics

Smoke density	IEC 61034-1-2
Gases corrosivity	IEC 60754-2
Bending factor when laying	8 (xD)
Flame retardant	EN 60332-1-2
Operating temperature, range	-20 .. 60 °C
Short-circuit max. conductor temperature	250 °C

Nb. of cores	Cross section [mm ²]	Nom. outer diam. [mm]	Approx. weight [kg/km]	Max. DC Resist. Cond. 20°C [Ohm/km]	Current rating, buried [A]	Perm. current rating open air [A]
2	1.5	13.8	320	12.1	27	29
2	2.5	14.6	380	7.41	35	39
2	4	15.7	440	4.61	46	52
2	6	17.3	550	3.08	58	66
2	10	18.7	650	1.83	77	90
2	16	20.7	900	1.15	100	115
2	25	23.8	1200	0.727	129	152
2	35	26.7	1700	0.524	155	188
2	50	24.9	1700	0.387	183	228
2	70	27.9	2250	0.268	225	291
2	95	31.7	3000	0.193	270	354
3	1.5	14.4	360	12.1	23	25
3	2.5	15.3	420	7.41	30	33
3	4	16.9	500	4.61	39	44
3	6	18.2	600	3.08	49	56
3	10	20.4	900	1.83	65	78
3	16	21.8	1100	1.15	84	99
3	25	26.1	1600	0.727	107	131
3	35	28.5	2000	0.524	129	162
3	50	28.5	2250	0.387	153	197
3	70	32.2	3000	0.268	188	251
3	95	36.9	4000	0.193	226	304
3	120	40.7	5000	0.153	257	353
3	150	45.6	6500	0.124	287	406
3	185	49.6	7750	0.099	324	463
3	240	54.8	9500	0.075	375	546



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Nb. of cores	Cross section [mm ²]	Nom. outer diam. [mm]	Approx. weight [kg/km]	Max. DC Resist. Cond. 20°C [Ohm/km]	Current rating, buried [A]	Perm. current rating open air [A]
3	300	59.8	11500	0.06	419	628
3	400	67.7	14500	0.047	-	728
4	1.5	15.4	400	12.1	23	25
4	2.5	16.9	500	7.41	30	33
4	4	18.2	600	4.61	39	44
4	6	20.4	800	3.08	49	56
4	10	22.0	1100	1.83	65	78
4	16	23.6	1300	1.15	84	99
4	25	28.3	2000	0.727	107	131
4	35	30.9	2500	0.524	129	162
4	50	32.1	3000	0.387	153	197
4	70	37.3	4250	0.268	188	251
4	95	41.9	5250	0.193	226	304
4	120	46.9	6750	0.153	257	353
4	150	51.4	8250	0.124	287	406
4	185	56.0	9750	0.099	324	463
4	240	62.3	12500	0.075	375	546
4	300	68.3	15000	0.06	419	628
4	400	79.5	20000	0.047	-	728
5	1.5	17.0	480	12.1	23	23
5	2.5	18.0	550	7.41	30	32
5	4	20.0	700	4.61	39	42
5	6	22.0	950	3.08	49	54
5	10	24.0	1200	1.83	65	75
5	16	27.0	1700	1.15	84	100
5	25	31.0	2500	0.727	107	127
5	35	34.0	3000	0.524	129	158
5	50	39.0	4000	0.387	153	192
5	70	45.0	5500	0.268	188	246
7	1.5	18.0	550	12.1	14	15
7	2.5	20.0	650	7.41	18	21
7	4	22.0	900	4.61	23	27
10	1.5	24.0	900	12.1	12	13
10	2.5	25.0	1100	7.41	15	18
10	4	28.0	1400	4.61	20	23



Halogen free
IEC 60754-1



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Fire resistant
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Fire retardant
IEC 60332-3 Cat.C



Smoke density
IEC 61034-1-2



Gases corrosivity
IEC 60754-2



Bending factor
when laying
8 (xD)



Flame retardant
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NX400

Nb. of cores	Cross section [mm ²]	Nom. outer diam. [mm]	Approx. weight [kg/km]	Max. DC Resist. Cond. 20°C [Ohm/km]	Current rating, buried [A]	Perm. current rating open air [A]
12	1.5	24.0	900	12.1	10	12
12	2.5	25.0	1100	7.41	14	16
12	4	28.0	1400	4.61	18	21
19	1.5	27.0	1200	12.1	9	10
19	2.5	30.0	1600	7.41	12	14
19	4	33.0	2000	4.61	16	19
27	1.5	32.0	1700	12.1	7	8
27	2.5	35.0	2000	7.41	9	11
27	4	39.0	2750	4.61	12	15
37	1.5	36.0	2000	12.1	7	8
37	2.5	39.0	2500	7.41	9	11
37	4	44.0	3500	4.61	12	15

PRODUCT LIST

Nexans ref.	Country ref.	Name	Core identification	Conductor shape
☎ 10535861	TR	NX400 10x1.5 mm ² BS 7846 - F2	Numbers	Circular stranded (RM)
☎ 10535864	TR	NX400 10x2.5 mm ² BS 7846 - F2	Numbers	Circular stranded (RM)
☎ 10535867	TR	NX400 10x4 mm ² BS 7846 - F2	Numbers	Circular stranded (RM)
☎ 10527024	TR	NX400 12x1.5 mm ² BS 7846 - F2	Numbers	Circular stranded (RM)
☎ 10531448	TR	NX400 12x2.5 mm ² BS 7846 - F2	Numbers	Circular stranded (RM)
☎ 10535869	TR	NX400 12x4 mm ² BS 7846 - F2	Numbers	Circular stranded (RM)
☎ 10535870	TR	NX400 19x1.5 mm ² BS 7846 - F2	Numbers	Circular stranded (RM)
☎ 10531468	TR	NX400 19x2.5 mm ² BS 7846 - F2	Numbers	Circular stranded (RM)
☎ 10535872	TR	NX400 19x4 mm ² BS 7846 - F2	Numbers	Circular stranded (RM)

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NX400

Nexans ref.	Country ref.	Name	Core identification	Conductor shape
☎ 10536187	TR	NX400 27x1.5 mm ² BS 7846 - F2	Numbers	Circular stranded (RM)
☎ 10536188	TR	NX400 27x2.5 mm ² BS 7846 - F2	Numbers	Circular stranded (RM)
☎ 10537496	TR	NX400 27x4 mm ² BS 7846 - F2	Numbers	Circular stranded (RM)
☎ 10518579	TR	NX400 2x1.5 mm ² BS 7846 - F2	Brown, Blue	Circular stranded (RM)
☎ 10518574	TR	NX400 2x10 mm ² BS 7846 - F2	Brown, Blue	Circular stranded (RM)
☎ 10516766	TR	NX400 2x16 mm ² BS 7846 - F2	Brown, Blue	Circular stranded (RM)
☎ 10518577	TR	NX400 2x2.5 mm ² BS 7846 - F2	Brown, Blue	Circular stranded (RM)
☎ 10516765	TR	NX400 2x25 mm ² BS 7846 - F2	Brown, Blue	Circular stranded (RM)
☎ 10516764	TR	NX400 2x35 mm ² BS 7846 - F2	Brown, Blue	Circular stranded (RM)
☎ 10518576	TR	NX400 2x4 mm ² BS 7846 - F2	Brown, Blue	Circular stranded (RM)
☎ 10516763	TR	NX400 2x50 mm ² BS 7846 - F2	Brown, Blue	Sector-shaped stranded (SM)
☎ 10518575	TR	NX400 2x6 mm ² BS 7846 - F2	Brown, Blue	Circular stranded (RM)
☎ 10516762	TR	NX400 2x70 mm ² BS 7846 - F2	Brown, Blue	Sector-shaped stranded (SM)
☎ 10517794	TR	NX400 2x95 mm ² BS 7846 - F2	Brown, Blue	Sector-shaped stranded (SM)
☎ 10536189	TR	NX400 37x1.5 mm ² BS 7846 - F2	Numbers	Circular stranded (RM)
☎ 10536190	TR	NX400 37x2.5 mm ² BS 7846 - F2	Numbers	Circular stranded (RM)
☎ 10537497	TR	NX400 37x4 mm ² BS 7846 - F2	Numbers	Circular stranded (RM)
☎ 10517795	TR	NX400 3x1.5 mm ² BS 7846 - F2	Brown, black, grey	Circular stranded (RM)
☎ 10518624	TR	NX400 3x10 mm ² BS 7846 - F2	Brown, black, grey	Circular stranded (RM)
☎ 10517963	TR	NX400 3x120 mm ² BS 7846 - F2	Brown, black, grey	Sector-shaped stranded (SM)

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Rated Voltage U_o/U
(U_m)
0.6/1 kV



Fire resistant
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Fire retardant
IEC 60332-3 Cat.C



Smoke density
IEC 61034-1-2



Gases corrosivity
IEC 60754-2



Bending factor
when laying
8 (xD)



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NX400

Nexans ref.	Country ref.	Name	Core identification	Conductor shape
☎ 10516767	TR	NX400 3x150 mm ² BS 7846 - F2	Brown, black, grey	Sector-shaped stranded (SM)
☎ 10518625	TR	NX400 3x16 mm ² BS 7846 - F2	Brown, black, grey	Circular stranded (RM)
☎ 10516768	TR	NX400 3x185 mm ² BS 7846 - F2	Brown, black, grey	Sector-shaped stranded (SM)
☎ 10518621	TR	NX400 3x2.5 mm ² BS 7846 - F2	Brown, black, grey	Circular stranded (RM)
☎ 10516769	TR	NX400 3x240 mm ² BS 7846 - F2	Brown, black, grey	Sector-shaped stranded (SM)
☎ 10518626	TR	NX400 3x25 mm ² BS 7846 - F2	Brown, black, grey	Circular stranded (RM)
☎ 10516770	TR	NX400 3x300 mm ² BS 7846 - F2	Brown, black, grey	Sector-shaped stranded (SM)
☎ 10517802	TR	NX400 3x35 mm ² BS 7846 - F2	Brown, black, grey	Circular stranded (RM)
☎ 10518622	TR	NX400 3x4 mm ² BS 7846 - F2	Brown, black, grey	Circular stranded (RM)
☎ 10516771	TR	NX400 3x400 mm ² BS 7846 - F2	Brown, black, grey	Sector-shaped stranded (SM)
☎ 10517966	TR	NX400 3x50 mm ² BS 7846 - F2	Brown, black, grey	Sector-shaped stranded (SM)
☎ 10518623	TR	NX400 3x6 mm ² BS 7846 - F2	Brown, black, grey	Circular stranded (RM)
☎ 10517965	TR	NX400 3x70 mm ² BS 7846 - F2	Brown, black, grey	Sector-shaped stranded (SM)
☎ 10517964	TR	NX400 3x95 mm ² BS 7846 - F2	Brown, black, grey	Sector-shaped stranded (SM)
☎ 10518627	TR	NX400 4x1.5 mm ² BS 7846 - F2	Blue, brown, black, grey	Circular stranded (RM)
☎ 10518631	TR	NX400 4x10 mm ² BS 7846 - F2	Blue, brown, black, grey	Circular stranded (RM)
☎ 10518638	TR	NX400 4x120 mm ² BS 7846 - F2	Blue, brown, black, grey	Sector-shaped stranded (SM)
☎ 10518639	TR	NX400 4x150 mm ² BS 7846 - F2	Blue, brown, black, grey	Sector-shaped stranded (SM)
☎ 10518632	TR	NX400 4x16 mm ² BS 7846 - F2	Blue, brown, black, grey	Circular stranded (RM)
☎ 10518641	TR	NX400 4x185 mm ² BS 7846 - F2	Blue, brown, black, grey	Sector-shaped stranded (SM)

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Rated Voltage U_o/U
(U_m)
0.6/1 kV



Fire resistant
BS 6387 CWZ



Fire retardant
IEC 60332-3 Cat.C



Smoke density
IEC 61034-1-2



Gases corrosivity
IEC 60754-2



Bending factor
when laying
8 (xD)



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NX400

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☎ 10518628	TR	NX400 4x2.5 mm ² BS 7846 - F2	Blue, brown, black, grey	Circular stranded (RM)
☎ 10518642	TR	NX400 4x240 mm ² BS 7846 - F2	Blue, brown, black, grey	Sector-shaped stranded (SM)
☎ 10518633	TR	NX400 4x25 mm ² BS 7846 - F2	Blue, brown, black, grey	Circular stranded (RM)
☎ 10518569	TR	NX400 4x300 mm ² BS 7846 - F2	Blue, brown, black, grey	Sector-shaped stranded (SM)
☎ 10518634	TR	NX400 4x35 mm ² BS 7846 - F2	Blue, brown, black, grey	Circular stranded (RM)
☎ 10518629	TR	NX400 4x4 mm ² BS 7846 - F2	Blue, brown, black, grey	Circular stranded (RM)
☎ 10518570	TR	NX400 4x400 mm ² BS 7846 - F2	Blue, brown, black, grey	Sector-shaped stranded (SM)
☎ 10518635	TR	NX400 4x50 mm ² BS 7846 - F2	Blue, brown, black, grey	Sector-shaped stranded (SM)
☎ 10518630	TR	NX400 4x6 mm ² BS 7846 - F2	Blue, brown, black, grey	Circular stranded (RM)
☎ 10518636	TR	NX400 4x70 mm ² BS 7846 - F2	Blue, brown, black, grey	Sector-shaped stranded (SM)
☎ 10518637	TR	NX400 4x95 mm ² BS 7846 - F2	Blue, brown, black, grey	Sector-shaped stranded (SM)
☎ 10536324	TR	NX400 5G1.5 mm ² BS 7846 - F2	Blue, brown, black, grey, green / yellow	Circular stranded (RM)
☎ 10519118	TR	NX400 5G10 mm ² BS 7846 - F2	Blue, brown, black, grey, green / yellow	Circular stranded (RM)
☎ 10526192	TR	NX400 5G16 mm ² BS 7846 - F2	Blue, brown, black, grey, green / yellow	Circular stranded (RM)
☎ 10536325	TR	NX400 5G2.5 mm ² BS 7846 - F2	Blue, brown, black, grey, green / yellow	Circular stranded (RM)
☎ 10530521	TR	NX400 5G25 mm ² BS 7846 - F2	Blue, brown, black, grey, green / yellow	Circular stranded (RM)
☎ 10536326	TR	NX400 5G35 mm ² BS 7846 - F2	Blue, brown, black, grey, green / yellow	Circular stranded (RM)
☎ 10536327	TR	NX400 5G4 mm ² BS 7846 - F2	Blue, brown, black, grey, green / yellow	Circular stranded (RM)
☎ 10536328	TR	NX400 5G50 mm ² BS 7846 - F2	Blue, brown, black, grey, green / yellow	Circular stranded (RM)
☎ 10530507	TR	NX400 5G6 mm ² BS 7846 - F2	Blue, brown, black, grey, green / yellow	Circular stranded (RM)

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☎ 10536329	TR	NX400 5G70 mm2 BS 7846 - F2	Blue, brown, black, grey, green / yellow	Circular stranded (RM)
☎ 10526191	TR	NX400 7x1.5 mm2 BS 7846 - F2	Numbers	Circular stranded (RM)
☎ 10530112	TR	NX400 7x2.5 mm2 BS 7846 - F2	Numbers	Circular stranded (RM)
☎ 10531447	TR	NX400 7x4 mm2 BS 7846 - F2	Numbers	Circular stranded (RM)

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