

# CU/XLPE/PVC BS 7889 Eca Class

## Contact

Sales & Marketing  
Phone: +90 212 266 0160  
alper.altinok@nexans.com

## N2XY

Double insulated, single core cables for general wiring needs.

## DESCRIPTION

### Application:

For general wiring needs

### Construction:

1. Conductor:Copper
2. Insulation:XLPE
3. Outer sheath:PVC

## Marking

ELECTRIC CABLE 600/1000 V BS 7889 H NEXANS i

Nb. of cores x cross section "YEAR" BASEC



## STANDARDS

**National** BS 7889;  
TS IEC 60502



Conductor flexibility  
Stranded class 2



Rated Voltage Uo/U (Um)  
0,6/1 kV



Flame retardant  
IEC 60332-1-2



Max.conductor temp.in service  
90 °C



Operating temp.  
-20 ... 60 °C

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## CHARACTERISTICS

### Construction characteristics

Conductor material	Copper
Insulation	XLPE
Outer sheath	PVC
Sheath colour	Black
Conductor flexibility	Stranded class 2
Conductor shape	Circular stranded (RM)

### Dimensional characteristics

Number of cores	1
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### Electrical characteristics

Rated Voltage U <sub>0</sub> /U (Um)	0,6/1 kV
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### Usage characteristics

Short-circuit max. conductor temperature	250 °C
Flame retardant	IEC 60332-1-2
Max. conductor temperature in service	90 °C
Operating temperature, range	-20 ... 60 °C

## CHARACTERISTICS

Cross section [mm <sup>2</sup> ]	Nom. outer diam. [mm]	Approx. weight [kg/km]	Max. DC Resist. Cond. 20°C [Ohm/km]	Perm. current rating buried 20°C - trefoil formation [A]	Perm. current rating in air 30°C - flat formation [A]	current rating in air 30°C - trefoil [A]
1.5	5.6	45	12.1	23	-	-
2.5	6.0	55	7.41	30	-	-
4	6.6	75	4.61	39	-	-
6	7.2	100	3.08	49	-	-
10	7.8	140	1.83	65	-	-
16	8.8	200	1.15	84	-	-
25	10.0	300	0.727	107	182	135
25	10.0	300	0.727	107	182	135
35	11.0	400	0.524	129	226	169
35	11.0	400	0.524	129	226	169
50	13.0	500	0.387	153	275	207
50	13.0	500	0.387	153	275	207
50	14.0	500	0.387	153	275	207
70	15.0	700	0.268	188	353	268
70	15.0	700	0.268	188	353	268
70	15.0	700	0.268	188	353	268
95	16.0	950	0.193	226	430	328
95	17.0	950	0.193	226	430	328
95	17.0	980	0.193	226	430	328
120	18.0	1200	0.153	257	500	383

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Cross section [mm <sup>2</sup> ]	Nom. outer diam. [mm]	Approx. weight [kg/km]	Max. DC Resist. Cond. 20°C [Ohm/km]	Perm. current rating buried 20°C - trefoil formation [A]	Perm. current rating in air 30°C - flat formation [A]	current rating in air 30°C - trefoil [A]
120	19.0	1200	0.153	257	500	383
150	20.0	1500	0.124	287	577	444
150	21.0	1500	0.124	287	577	444
185	22.0	1800	0.0991	324	661	510
240	25.0	2500	0.0754	375	781	607
240	26.0	2500	0.0754	375	781	607
300	27.0	3000	0.0601	419	902	703
300	29.0	3000	0.0601	419	902	703
400	31.0	3750	0.047	464	1085	823
400	31.0	3750	0.047	464	1085	823
400	32.0	3750	0.047	464	1085	823
500	34.0	4750	0.0366	524	1253	946
500	36.0	4820	0.0366	524	1253	946
630	39.0	6250	0.0283	595	1454	1088
630	42.0	6250	0.0283	595	1454	1088
800	46.0	8250	0.0221	-	-	-
1000	51.0	10000	0.0176	-	-	-

## PRODUCT LIST

Nexans Ref.	Country Ref.	Name	Conductor cross-section [mm <sup>2</sup> ]
☎ 10535884	TR	CU/XLPE/PVC BS 7889 1x1000 mm2	1000
☎ 10518998	TR	CU/XLPE/PVC BS 7889 1x120 mm2	120
☎ 10518997	TR	CU/XLPE/PVC BS 7889 1x150 mm2	150
☎ 10518996	TR	CU/XLPE/PVC BS 7889 1x185 mm2	185
☎ 10518995	TR	CU/XLPE/PVC BS 7889 1x240 mm2	240
☎ 10518994	TR	CU/XLPE/PVC BS 7889 1x300 mm2	300
☎ 10518993	TR	CU/XLPE/PVC BS 7889 1x400 mm2	400
☎ 10519401	TR	CU/XLPE/PVC BS 7889 1x500 mm2	500
☎ 10519001	TR	CU/XLPE/PVC BS 7889 1x50 mm2	50
☎ 10536076	TR	CU/XLPE/PVC BS 7889 1x630 mm2	630
☎ 10519000	TR	CU/XLPE/PVC BS 7889 1x70 mm2	70
☎ 10536106	TR	CU/XLPE/PVC BS 7889 1x800 mm2	800
☎ 10518999	TR	CU/XLPE/PVC BS 7889 1x95 mm2	95
☎ 10532566	TR	CU/XLPE/PVC BS 7889 1x1.5 mm2	1.5
☎ 10562956	TR	CU/XLPE/PVC BS 7889 1x70 mm2 HONG KONG	70
☎ 10532567	TR	CU/XLPE/PVC BS 7889 1x2.5 mm2	2.5
☎ 10532568	TR	CU/XLPE/PVC BS 7889 1x4 mm2	4
☎ 10532569	TR	CU/XLPE/PVC BS 7889 1x6 mm2	6

☎ = Make to order, ☒ = In stock,

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Nexans Ref.	Country Ref.	Name	Conductor cross-section [mm <sup>2</sup> ]
☎ 10532580	TR	CU/XLPE/PVC BS 7889 1x10 mm2	10
☎ 10532581	TR	CU/XLPE/PVC BS 7889 1x16 mm2	16
☎ 10532582	TR	CU/XLPE/PVC BS 7889 1x25 mm2	25
☎ 10532583	TR	CU/XLPE/PVC BS 7889 1x35 mm2	35
☎ 10531824	TR	CU/XLPE/PVC BS 7889 1x120 mm2 HONG KONG	120
☎ 10532920	TR	CU/XLPE/PVC BS 7889 1x150 mm2 HONG KONG	150
☎ 10520507	TR	CU/XLPE/PVC BS 7889 1x240 mm2 HONG KONG	240
☎ 10532321	TR	CU/XLPE/PVC BS 7889 1x25 mm2 HONG KONG	25
☎ 10536514	TR	CU/XLPE/PVC BS 7889 1x300 mm2 HONG KONG	300
☎ 10532322	TR	CU/XLPE/PVC BS 7889 1x35 mm2 HONG KONG	35
☎ 10535670	TR	CU/XLPE/PVC BS 7889 1x400 mm2 HONG KONG	400
☎ 10532918	TR	CU/XLPE/PVC BS 7889 1x50 mm2 HONG KONG	50
☎ 10539648	TR	CU/XLPE/PVC BS 7889 1x50 mm2 HONG KONG	50
☎ 10538170	TR	CU/XLPE/PVC BS 7889 1x630 mm2 HONG KONG	630
☎ 10532919	TR	CU/XLPE/PVC BS 7889 1x70 mm2 HONG KONG	70
☎ 10531823	TR	CU/XLPE/PVC BS 7889 1x95 mm2 HONG KONG	95
☎ 10530951	TR	CU/XLPE/PVC BS 7889 1x400 mm2	400
☎ 10566796	TR	CU/XLPE/PVC BS 7889 1x500 mm2 HONG KONG	500
☎ 10566797	TR	CU/XLPE/PVC BS 7889 1x95 mm2 HONG KONG	95

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