



CONTACT

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Single-core, single-wire, multi-wire, or fine-stranded copper conductor power cables. These halogen-free and fire-safe cables are ideal for indoor applications. Thanks to their low smoke density, non-flame propagating properties and no corrosive gas emissions for protecting life and property in case of fire.

STANDARDS

Product BS 7211; BS EN 50525-3-41

KEY CHARACTERISTICS

Construction characteristics	
Insulation	XL-HFFR
Halogen free	IEC 60754-1
Electrical characteristics	
Rated Voltage U ₀ /U (U _m)	450/750 V
Usage characteristics	
Operating temperature, range	-20 ... 90 °C
Gases corrosivity	IEC 60754-2
Max. conductor temperature in service	90 °C

APPLICATION

- Indoor applications where fire safety is a priority (hotels, schools, high-rise buildings, hospitals, data centers, airports, offices, etc.)
- Electrical panels and control panels
- Wiring of indoor power and lighting circuits in dry environments

CONSTRUCTION

1. Conductor:copper
2. Insulation:XL-HFFR



Halogen free
IEC 60754-1



Conductor flexibility
Stranded class 2



Rated Voltage U₀/U
(U_m)
450/750 V



Flame retardant
IEC 60332-1-2



Operating temp.
-20 ... 90 °C



Gases corrosivity
IEC 60754-2



Max. conductor temp.in
service
90 °C

CHARACTERISTICS

Construction characteristics

Conductor material	Copper
Insulation	XL-HFFR
Halogen free	IEC 60754-1
Conductor flexibility	Stranded class 2

Dimensional characteristics

Number of cores	1
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Electrical characteristics

Rated Voltage U _o /U (U _m)	450/750 V
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Usage characteristics

Flame retardant	IEC 60332-1-2
Operating temperature, range	-20 ... 90 °C
Short-circuit max. conductor temperature	250 °C
Gases corrosivity	IEC 60754-2
Max. conductor temperature in service	90 °C

TECHNICAL PROPERTIES

Cross section [mm ²]	Nom. outer diam. [mm]	Approx. weight [kg/km]	Max. DC Resist. Cond. 20°C [Ohm/km]	Perm. current rating open air [A]	Nexans Ref.
1.5	2.8	20	12.1	23	
1.5	2.8	20	12.1	23	
1.5	2.8	20	12.1	23	10576058
1.5	2.8	20	12.1	23	10576065
1.5	2.8	20	12.1	23	10576855
1.5	2.8	20	12.1	23	10576856
1.5	2.8	20	12.1	23	10576857
1.5	2.8	20	12.1	23	10576858
1.5	2.8	20	12.1	23	10576859
1.5	3.0	20	12.1	23	10520591
1.5	3.0	20	12.1	23	10520592
1.5	3.0	20	12.1	23	10521042
1.5	3.0	20	12.1	23	10521043
1.5	3.0	20	12.1	23	10526180
1.5	3.0	20	12.1	23	10526181
1.5	3.0	20	12.1	23	10526702
1.5	3.0	20	12.1	23	10531307
1.5	3.0	20	12.1	23	10535877
1.5	3.0	20	12.1	23	10535878
1.5	3.0	20	12.1	23	10539984
1.5	3.0	20	12.1	23	10539985
1.5	3.0	20	12.1	23	10539986

Cross section [mm ²]	Nom. outer diam. [mm]	Approx. weight [kg/km]	Max. DC Resist. Cond. 20°C [Ohm/km]	Perm. current rating open air [A]	Nexans Ref.
1.5	3.0	20	12.1	23	10542775
1.5	3.0	20	12.1	23	10542776
1.5	3.0	20	12.1	23	10544133
1.5	3.0	20	12.1	23	10544134
1.5	3.0	20	12.1	23	10556841
1.5	3.0	20	12.1	23	10567701
1.5	3.0	20	12.1	23	10567702
1.5	3.0	20	12.1	23	10567703
1.5	3.0	20	12.1	23	10568894
1.5	3.0	20	12.1	23	10568895
1.5	3.0	20	12.1	23	10568896
1.5	3.0	20	12.1	23	10568897
1.5	3.0	20	12.1	23	10568898
1.5	3.0	20	12.1	23	10571564
2.5	3.3	30	7.41	32	
2.5	3.3	30	7.41	32	
2.5	3.3	30	7.41	32	
2.5	3.3	30	7.41	32	
2.5	3.3	30	7.41	32	
2.5	3.3	30	7.41	32	10576066
2.5	3.3	30	7.41	32	10576067
2.5	3.3	30	7.41	32	10576862
2.5	3.3	30	7.41	32	10577207
2.5	3.3	30	7.41	32	10577210
2.5	3.3	30	7.41	32	10577211
2.5	3.3	30	7.41	32	10577212
2.5	3.3	30	7.41	32	10577213
2.5	3.3	30	7.41	32	10578988
2.5	3.3	30	7.41	32	10578990
2.5	3.3	30	7.41	32	10578991
2.5	3.6	30	7.41	32	10520925
2.5	3.6	30	7.41	32	10520926
2.5	3.6	30	7.41	32	10520927
2.5	3.6	30	7.41	32	10521044
2.5	3.6	30	7.41	32	10521045
2.5	3.6	30	7.41	32	10521046
2.5	3.6	30	7.41	32	10526182
2.5	3.6	30	7.41	32	10526183
2.5	3.6	30	7.41	32	10526184
2.5	3.6	30	7.41	32	10535982
2.5	3.6	30	7.41	32	10535983

Cross section [mm ²]	Nom. outer diam. [mm]	Approx. weight [kg/km]	Max. DC Resist. Cond. 20°C [Ohm/km]	Perm. current rating open air [A]	Nexans Ref.
2.5	3.6	30	7.41	32	10540310
2.5	3.6	30	7.41	32	10542890
2.5	3.6	30	7.41	32	10542891
2.5	3.6	30	7.41	32	10567704
2.5	3.6	30	7.41	32	10567705
2.5	3.6	30	7.41	32	10567706
2.5	3.6	30	7.41	32	10567707
2.5	3.6	30	7.41	32	10567708
2.5	3.6	30	7.41	32	10568899
2.5	3.6	30	7.41	32	10568930
2.5	3.6	30	7.41	32	10568931
2.5	3.6	30	7.41	32	10568932
2.5	3.6	30	7.41	32	10568933
2.5	3.6	30	7.41	32	10570548
2.5	3.6	30	7.41	32	10570549
2.5	3.6	30	7.41	32	10576860
2.5	3.6	30	7.41	32	10576863
4	3.8	45	4.61	42	
4	3.8	45	4.61	42	
4	3.8	45	4.61	42	
4	3.8	45	4.61	42	10576865
4	3.8	45	4.61	42	10576866
4	3.8	45	4.61	42	10576867
4	3.8	45	4.61	42	10576868
4	3.8	45	4.61	42	10576869
4	3.8	45	4.61	42	10577208
4	3.8	45	4.61	42	10577214
4	3.8	45	4.61	42	10577215
4	3.8	45	4.61	42	10577216
4	3.8	45	4.61	42	10577217
4	4.2	45	4.61	42	10518985
4	4.2	45	4.61	42	10518986
4	4.2	45	4.61	42	10519037
4	4.2	45	4.61	42	10526185
4	4.2	45	4.61	42	10526186
4	4.2	45	4.61	42	10526187
4	4.2	45	4.61	42	10536026
4	4.2	45	4.61	42	10536027
4	4.2	45	4.61	42	10539965
4	4.2	45	4.61	42	10539987
4	4.2	45	4.61	42	10539988

Cross section [mm ²]	Nom. outer diam. [mm]	Approx. weight [kg/km]	Max. DC Resist. Cond. 20°C [Ohm/km]	Perm. current rating open air [A]	Nexans Ref.
4	4.2	45	4.61	42	10539989
4	4.2	45	4.61	42	10539995
4	4.2	45	4.61	42	10544073
4	4.2	45	4.61	42	10544119
4	4.2	45	4.61	42	10544125
4	4.2	45	4.61	42	10567709
4	4.2	45	4.61	42	10567710
4	4.2	45	4.61	42	10567711
4	4.2	45	4.61	42	10568934
4	4.2	45	4.61	42	10568935
4	4.2	45	4.61	42	10568936
4	4.2	45	4.61	42	10570570
4	4.2	45	4.61	42	10570571
4	4.2	45	4.61	42	10577241
6	4.3	65	3.08	54	
6	4.3	65	3.08	54	
6	4.3	65	3.08	54	
6	4.3	65	3.08	54	10576870
6	4.3	65	3.08	54	10576871
6	4.3	65	3.08	54	10576872
6	4.3	65	3.08	54	10576873
6	4.3	65	3.08	54	10576874
6	4.8	65	3.08	54	10529762
6	4.8	65	3.08	54	10532807
6	4.8	65	3.08	54	10536071
6	4.8	65	3.08	54	10536072
6	4.8	65	3.08	54	10536073
6	4.8	65	3.08	54	10540000
6	4.8	65	3.08	54	10540001
6	4.8	65	3.08	54	10540002
6	4.8	65	3.08	54	10542892
6	4.8	65	3.08	54	10542893
6	4.8	65	3.08	54	10544078
6	4.8	65	3.08	54	10544124
6	4.8	65	3.08	54	10544130
6	4.8	65	3.08	54	10544315
6	4.8	65	3.08	54	10544316
6	4.8	65	3.08	54	10568937
6	4.8	65	3.08	54	10568938
6	4.8	65	3.08	54	10568939
6	4.8	65	3.08	54	10577209

Cross section [mm ²]	Nom. outer diam. [mm]	Approx. weight [kg/km]	Max. DC Resist. Cond. 20°C [Ohm/km]	Perm. current rating open air [A]	Nexans Ref.
10	5.5	110	1.83	75	10576876
10	5.5	110	1.83	75	10576877
10	5.5	110	1.83	75	10576878
10	5.5	110	1.83	75	10576879
10	5.5	110	1.83	75	10576880
10	5.5	110	1.83	75	10576888
10	5.5	110	1.83	75	10576889
10	5.5	110	1.83	75	10576890
10	5.5	110	1.83	75	10576892
10	5.5	110	1.83	75	10577000
10	5.5	110	1.83	75	10577205
10	5.8	110	1.83	75	10518984
10	5.8	110	1.83	75	10526749
10	5.8	110	1.83	75	10530916
10	5.8	110	1.83	75	10530917
10	5.8	110	1.83	75	10530918
10	5.8	110	1.83	75	10535880
10	5.8	110	1.83	75	10535881
10	5.8	110	1.83	75	10535882
10	5.8	110	1.83	75	10538260
10	5.8	110	1.83	75	10538261
10	5.8	110	1.83	75	10544074
10	5.8	110	1.83	75	10544120
10	5.8	110	1.83	75	10544126
10	5.8	110	1.83	75	10544245
10	5.8	110	1.83	75	10567712
10	5.8	110	1.83	75	10568940
10	5.8	110	1.83	75	10571636
10	5.8	110	1.83	75	10571637
10	5.8	110	1.83	75	10571638
10	5.8	110	1.83	75	10571639
16	6.4	165	1.15	100	10576893
16	6.4	165	1.15	100	10576894
16	6.4	165	1.15	100	10576895
16	6.4	165	1.15	100	10576896
16	6.4	165	1.15	100	10577242
16	6.8	170	1.15	100	10518983
16	6.8	170	1.15	100	10521047
16	6.8	170	1.15	100	10535925
16	6.8	170	1.15	100	10535926
16	6.8	170	1.15	100	10535927

Cross section [mm ²]	Nom. outer diam. [mm]	Approx. weight [kg/km]	Max. DC Resist. Cond. 20°C [Ohm/km]	Perm. current rating open air [A]	Nexans Ref.
16	6.8	170	1.15	100	10535928
16	6.8	170	1.15	100	10540003
16	6.8	170	1.15	100	10540004
16	6.8	170	1.15	100	10540005
16	6.8	170	1.15	100	10540006
16	6.8	170	1.15	100	10544075
16	6.8	170	1.15	100	10544121
16	6.8	170	1.15	100	10544127
16	6.8	170	1.15	100	10544246
16	6.8	170	1.15	100	10571660
16	6.8	170	1.15	100	10571661
16	6.8	170	1.15	100	10571662
16	6.8	170	1.15	100	10571663
16	6.8	170	1.15	100	10576069
16	6.8	170	1.15	100	10576881
16	6.8	170	1.15	100	10576882
16	6.8	170	1.15	100	10576883
16	6.8	170	1.15	100	10576884
16	6.8	170	1.15	100	10576885
16	6.8	170	1.15	100	10576887
25	7.9	260	0.727	182	10579723
25	7.9	260	0.727	182	10579724
25	7.9	260	0.727	182	10579725
25	7.9	260	0.727	182	10579726
25	7.9	260	0.727	182	10588206
25	7.9	260	0.727	182	10588207
25	8.3	260	0.727	135	10518982
25	8.3	260	0.727	135	10519407
25	8.3	260	0.727	135	10519408
25	8.3	260	0.727	135	10535999
25	8.3	260	0.727	135	10536000
25	8.3	260	0.727	135	10544076
25	8.3	260	0.727	135	10544122
25	8.3	260	0.727	135	10544128
25	8.3	260	0.727	135	10544317
25	8.3	260	0.727	135	10544318
25	8.3	260	0.727	135	10576057
25	8.4	260	0.727	135	10538262
25	8.4	260	0.727	135	10540007
25	8.4	260	0.727	135	10540008
25	8.4	260	0.727	135	10540009

Cross section [mm ²]	Nom. outer diam. [mm]	Approx. weight [kg/km]	Max. DC Resist. Cond. 20°C [Ohm/km]	Perm. current rating open air [A]	Nexans Ref.
25	8.4	260	0.727	135	10540010
25	8.4	260	0.727	135	10579462
35	8.8	340	0.524	226	10579614
35	8.9	350	0.524	226	10579727
35	8.9	350	0.524	226	10579731
35	8.9	350	0.524	226	10579734
35	8.9	350	0.524	226	10579735
35	8.9	350	0.524	226	10579736
35	9.3	360	0.524	169	10518981
35	9.3	360	0.524	169	10536021
35	9.3	360	0.524	169	10536022
35	9.3	360	0.524	169	10536023
35	9.3	360	0.524	169	10536024
35	9.3	360	0.524	169	10544077
35	9.3	360	0.524	169	10544123
35	9.3	360	0.524	169	10544129
35	9.3	360	0.524	169	10544319
35	9.3	360	0.524	169	10544320
35	9.4	360	0.524	169	10531834
35	9.4	360	0.524	169	10531835
35	9.4	360	0.524	169	10531836
35	9.4	360	0.524	169	10531837
35	9.4	360	0.524	169	10538263
50	11.0	480	0.387	207	10518980
50	11.0	480	0.387	207	10536043
50	11.0	480	0.387	207	10536044
50	11.0	480	0.387	207	10536045
50	11.0	480	0.387	207	10536046
50	11.0	480	0.387	207	10579615
50	11.1	470	0.387	275	10579737
50	11.1	470	0.387	275	10579738
50	11.1	470	0.387	275	10579739
50	11.1	470	0.387	275	10579740
50	12.0	480	0.387	207	10540011
50	12.0	480	0.387	207	10540012
50	12.0	480	0.387	207	10540013
50	12.0	480	0.387	207	10540014
50	12.0	480	0.387	207	10540015
50	12.0	480	0.387	207	10579463
70	12.7	660	0.268	353	10579744
70	12.7	660	0.268	353	10579749

Cross section [mm ²]	Nom. outer diam. [mm]	Approx. weight [kg/km]	Max. DC Resist. Cond. 20°C [Ohm/km]	Perm. current rating open air [A]	Nexans Ref.
70	13.0	650	0.268	268	10518979
70	13.0	650	0.268	268	10536089
70	13.0	650	0.268	268	10536090
70	13.0	650	0.268	268	10536091
70	13.0	650	0.268	268	10536092
70	13.0	650	0.268	268	10540016
70	13.0	650	0.268	268	10540017
70	13.0	650	0.268	268	10540018
70	13.0	650	0.268	268	10579616
70	13.0	660	0.268	268	10549108
70	13.0	660	0.268	268	10562419
95	14.8	930	0.193	430	10579565
95	14.8	930	0.193	430	10579745
95	14.8	930	0.193	430	10579748
95	15.0	900	0.193	328	10518978
95	15.0	900	0.193	328	10536173
95	15.0	900	0.193	328	10536174
95	15.0	900	0.193	328	10536175
95	15.0	900	0.193	328	10536176
95	15.0	900	0.193	328	10579617
95	16.0	950	0.193	328	10540019
95	16.0	950	0.193	328	10540020
95	16.0	950	0.193	328	10540021
95	16.0	950	0.193	328	10540022
95	16.0	950	0.193	328	10540023
120	15.3	1130	0.153	500	10576082
120	16.0	1200	0.153	383	10518977
120	16.0	1200	0.153	383	10535891
120	16.0	1200	0.153	383	10535892
120	16.0	1200	0.153	383	10535893
120	16.0	1200	0.153	383	10535894
120	16.5	1150	0.153	500	10579753
120	16.5	1150	0.153	500	10588041
120	16.5	1150	0.153	500	10588042
120	16.5	1150	0.153	500	10588043
120	16.5	1150	0.153	500	10588044
120	17.0	1200	0.153	383	10538264
150	18.0	1400	0.124	444	10518976
150	18.0	1400	0.124	444	10535911
150	18.0	1400	0.124	444	10535912
150	18.0	1400	0.124	444	10535913

Cross section [mm ²]	Nom. outer diam. [mm]	Approx. weight [kg/km]	Max. DC Resist. Cond. 20°C [Ohm/km]	Perm. current rating open air [A]	Nexans Ref.
150	18.0	1400	0.124	444	10535914
150	18.3	1410	0.124	577	10579750
150	19.0	1400	0.124	444	10539745
150	19.0	1400	0.124	444	10539746
150	19.0	1400	0.124	444	10539747
150	19.0	1400	0.124	444	10539748
150	19.0	1400	0.124	444	10539783
185	18.8	1740	0.0991	661	10576083
185	18.8	1740	0.0991	661	10579752
185	20.0	1800	0.099	510	10530775
185	20.0	1800	0.099	510	10530910
185	20.0	1800	0.099	510	10535934
185	20.0	1800	0.099	510	10535935
185	20.0	1800	0.099	510	10535936
185	20.0	1800	0.099	510	10540024
240	21.5	2280	0.0754	781	10576084
240	21.5	2280	0.0754	781	10577171
240	22.8	2300	0.0754	781	10579751
240	23.0	2250	0.075	607	10518975
240	23.0	2250	0.075	607	10526750
240	23.0	2250	0.075	607	10535989
240	23.0	2250	0.075	607	10535990
240	23.0	2250	0.075	607	10535991
240	24.0	2500	0.075	607	10540025
300	23.9	2850	0.0601	902	10577158
300	23.9	2850	0.0601	902	10577570
300	23.9	2860	0.0601	902	10576080
300	25.0	3000	0.06	703	10535873
300	25.0	3000	0.06	703	10536006
300	25.0	3000	0.06	703	10536007
300	25.0	3000	0.06	703	10536008
300	25.0	3000	0.06	703	10536009
400	28.0	3750	0.047	823	10535874
400	28.0	3750	0.047	823	10536029
500	32.0	4750	0.037	946	10535875
500	32.0	4750	0.037	946	10536052
630	34.0	5990	0.0283	1454	10577599
630	36.0	6000	0.028	1088	10535876
630	36.0	6000	0.028	1088	10536075

SELLING AND DELIVERY INFORMATION

Marking

NEXANS T BS EN 50525-3-41 H07Z-R Number of cores x cross section BASEC CPR Class