



CONTACT

Inside Sales Representatives
Phone: 905-944-4300
buildingwire.canada@nexans.com

(-40°C) XLPE 600 Volts 90°C Zero Halogen

STANDARDS

Product CSA C22.2 N° 2556; CSA C22.2 N° 51

CSA File #LL23462 Class 5811 01

Two, three or four copper or aluminum conductor material (ACM) conductors with low temperature EXELENE® cross-linked polyethylene insulation (RW90 XLPE) and bare copper or aluminum bonding wire. Conductor assembly paper wrapped and covered with bare interlocked aluminum armour. Rated 600 volts. LEAD FREE and RoHS compliant.

Insulation Colour Coding:

2 Conductors - Black, White OR Black, Red
3 Conductors - Black, Red, White
4 Conductors - Black, Red, Blue, White

Application

- For open and concealed wiring in dry locations only.
- For use in cabletroughs and ventilated flexible cableways in dry locations only.
- Minimum recommended installation temperature minus 40°C (with suitable handling procedures).
- Maximum conductor temperature 90°C.
- Approved for use with ceiling fixtures.
- Armoured cable for commercial, industrial and apartment use.
- **Limited Smoke Zero Halogen - CSA rated ST1 per CSA 22.2 No. 2556. Meets the FT4 flame spread test.**

CHARACTERISTICS

Construction characteristics

Insulation	XLPE
------------	------

Electrical characteristics

Maximum operating voltage	600 V
---------------------------	-------

Usage characteristics

Maximum operating temperature	90 °C
Minimum installation temperature	-40 °C

AC90

Nexans Ref.	Name	Cond. Dia. (mm)	Size	# of cond.	Nom. Insul. Thick. [mm]	Bare Grd (AWG)	Cable Dia. [mm]	Approx. Net Weight [kg/km]
12000116	2C14(1) AC90 CU ST1 ZERO HAL	1.84	14	2	0.76	14	11.81	131

Nexans Ref.	Name	Cond. Dia. (mm)	Size	# of cond.	Nom. Insul. Thick. [mm]	Bare Grd (AWG)	Cable Dia. [mm]	Approx. Net Weight [kg/km]
12000493	2C14(1) AC90 CU ST1 ZERO HAL	1.84	14	2	0.76	14	11.81	131
12000117	3C14(1) AC90 CU ST1 ZERO HAL	1.84	14	3	0.76	14	12.34	158
12000494	3C14(1) AC90 CU ST1 ZERO HAL	1.84	14	3	0.76	14	12.34	158
12000196	4C14(1) AC90 CU ST1 ZERO HAL	1.84	14	4	0.76	14	13.26	190
12001325	4C14(1) AC90 CU ST1 ZERO HAL	1.84	14	4	0.76	14	13.26	190
12000118	2C12(1) AC90 CU ST1 ZERO HAL	2.32	12	2	0.76	14	12.66	171
12000495	2C12(1) AC90 CU ST1 ZERO HAL	2.32	12	2	0.76	14	12.66	171
12001326	2C12(1) AC90 CU RED/BLK ST1	2.32	12	2	0.76	14	12.66	171
12000496	3C12(1) AC90 CU ST1 ZERO HAL	2.32	12	3	0.76	14	13.34	203
12000702	3C12(1) AC90 CU ST1 ZERO HAL	2.32	12	3	0.76	14	13.34	203
12000197	4C12(1) AC90 CU ST1 ZERO HAL	2.32	12	4	0.76	14	14.22	243
12001327	4C12(1) AC90 CU ST1 ZERO HAL	2.32	12	4	0.76	14	14.22	243
12000295	2C10(1) AC90 CU ST1 ZERO HAL	2.95	10	2	0.76	12	13.84	216
12000700	2C10(1) AC90 CU ST1 ZERO HAL	2.95	10	2	0.76	12	13.84	216
12000272	3C10(1) AC90 CU ST1 ZERO HAL	2.95	10	3	0.76	12	14.5	277
12000701	3C10(1) AC90 CU ST1 ZERO HAL	2.95	10	3	0.76	12	14.5	277
12001328	4C10(1) AC90 CU ST1 ZERO HAL	2.95	10	4	0.76	12	15.75	338
12000497	3C8(7) AC90 CU ST1 ZERO HAL	3.71	8	3	1.14	10	18.8	508
12000498	3C8(7) AC90 CU ST1 ZERO HAL	3.71	8	3	1.14	10	18.8	508
12001397	3C6(7) AC90 CU ST1 ZERO HAL	4.67	6	3	1.14	8	21.08	649
12001584	3C6(7) AC90 CU ST1 ZERO HAL	4.67	6	3	1.14	8	21.08	649
12001219	3C3(7) AC90 CU ST1 ZERO HAL	6.60	3	3	1.14	6	24.96	1115
12001231	3C3(7) AC90 CU ST1 ZERO HAL	6.60	3	3	1.14	6	25.96	1115
12001230	3C2(7) AC90 CU ST1 ZERO HAL	6.81	2	3	1.14	6	26.9	1410