



1. Strand Bare (ASTM B8) Annealed Copper Conductors
2. Grounding/Bonding Conductor
3. XLPE (RW90 Rated) Insulated Conductors
4. Polyester Separator Tape
5. FR LAG PVC Inner Protective Jacket
6. Aluminum Interlocked Armour (AIA)
7. FR LAG PVC Outer Protective Jacket

APPLICATION

Unshielded armoured control cable is used for operation of control automation equipment. Interlocked armour replaces the use of conduit for mechanical protection. Cable can be directly buried, installed in raceways, including cable tray in wet or dry environments. Cable is suitable for use in outdoor exposed applications and is rated for damp or dry locations in -40°C (-40°F) environments.

VOLTAGE: 600 V

Optional: 1000V

PRODUCT CONSTRUCTION

Insulation

XLPE (RW90 rated)

rated: 90°C wet/dry

Armour

Aluminum Interlocked Armour (AIA) (standard)

Steel Interlocked Armour (SIA) (optional)

Jacket

FR LAG PVC (AG14 rated) inner/outer black jacket

rated: 90°C to -40°C

Available in Variable Frequency Drive (VFD)

Verlock® (for mineshaft applications)

Custom colour coding

Custom insulation/jacket colours

Composite constructions

CERTIFICATIONS/COMPLIANCES

CSA C22.2 NO. 131, Teck 90 Cables (Teck 90)

CSA C22.2 NO. 174, Cables & Cable Glands for use in Hazardous Locations

CSA C22.2 NO. 38, Thermoset Insulated Wires & Cables (XLPE)

CSA FT4, UL 1685 FT4, Vertical Tray Flame Test rated

IEEE 383 & 1202 (70,000 BTU/hr), Vertical Flame Test rated

ICEA T-30-520 (70,000 BTU/hr), Vertical Flame Test rated

XLPE (RW90 rated), 90°C wet/dry

UV sunlight resistant "SUN RES" (all colours)

Direct burial rated

-40°C cold bend/impact rated

HL rated for use in hazardous locations:

Class I Zone 0 (Intrinsically Safe cables only)

Class I Zone 1 (Div 1)

Class I Zone 2 (Div 2)

Class II Zone 20, 21 (Div 1)

COLOUR CODING

2C – Black & white

3C – Black, red & blue

4C – Black, red, blue & white

5C to 50C – Black # coded

PARAMETERS

NUMBER OF CONDUCTORS	CONDUCTOR SIZE(AWG/MCM)	GROUND WIRE SIZE(AWG/MCM)	OD OVER INNER JACKET(in/mm)	NORMAL DIAMETERS(in/m)		CABLE WEIGHT(lbs/1000ft) (kg/km)	AMPACITY(30°C ambient)	MAX. PULLING TENSION (PULLING EYE)(lb/kg)	MIN. BEND RADIUS (PULL)(in/mm)
				OVER ARMOUR	OVERALL CABLE				
2	14	14	0.372/9.45	0.612/15.54	0.704/17.88	206/307	25	66/30	12.7/322
3	14	14	0.403/10.23	0.643/16.32	0.735/18.66	233/346	25	99/45	13.2/336
4	14	14	0.436/11.07	0.676/17.17	0.768/19.5	260/387	20	132/60	13.8/351
5	14	14	0.465/11.81	0.705/17.91	0.797/20.25	287/428	20	165/75	14.3/364
6	14	14	0.505/12.83	0.745/18.92	0.837/21.26	319/474	20	197/90	15.1/383
7	14	14	0.575/14.6	0.815/20.7	0.907/23.04	373/555	17.5	230/104	16.3/415
8	14	14	0.616/15.65	0.856/21.74	0.948/24.08	407/605	17.5	263/119	17.1/433
10	14	14	0.668/16.97	0.908/23.06	1/25.4	456/678	17.5	329/149	18/457
12	14	14	0.688/17.48	0.928/23.57	1.02/25.91	494/735	17.5	395/179	18.4/466
15	14	14	0.741/18.83	0.981/24	1.073/27	565/841	17.5	494/224	19.3/491

				.92	.26				
20	14	14	0.841/21.36	1.081/27.45	1.173/29.79	732/1089	17.5	658/298	21.1/536
25	14	14	0.974/24.74	1.214/30.84	1.306/33.17	904/1345	15	823/373	23.5/597
30	14	14	1.028/26.12	1.268/32.22	1.36/34.56	1007/1499	15	987/448	24.5/622
40	14	14	1.147/29.13	1.387/35.23	1.479/37.56	1231/1832	15	1316/597	26.6/676
50	14	14	1.272/32.31	1.512/38.4	1.604/40.74	1451/2159	12.5	1645/746	28.9/733
2	12	14	0.408/10.36	0.648/16.46	0.74/18.8	234/349	30	104/47	13.3/338
3	12	14	0.443/11.25	0.683/17.34	0.775/19.68	270/402	30	157/71	13.9/354
4	12	14	0.48/12.2	0.72/18.3	0.813/20.64	308/458	24	209/95	14.6/371
5	12	14	0.514/13.05	0.754/19.14	0.846/21.48	345/513	24	261/118	15.2/387
6	12	14	0.589/14.96	0.829/21.06	0.921/23.39	410/610	24	313/142	16.6/421
7	12	14	0.634/16.11	0.874/22.21	0.966/24.54	454/676	21	365/166	17.4/442
8	12	14	0.681/17.3	0.921/23.4	1.013/25.73	499/743	21	418/189	18.2/463
10	12	14	0.74/18.8	0.98/24.89	1.072/27.23	566/842	21	522/237	19.3/490
12	12	14	0.763/19.37	0.983/24.96	1.075/27.3	663/986	21	626/284	19.3/491
15	12	14	0.823/20.91	1.063/27	1.155/29.34	765/1138	21	783/355	20.8/528
20	12	14	0.976/24.8	1.216/30.89	1.308/33.23	985/1466	21	1044/474	23.5/598
25	12	14	1.082/27.48	1.322/33.58	1.414/35.92	1161/1728	18	1305/592	25.5/646
30	12	14	1.144/29.06	1.384/35.15	1.476/37.49	1308/1946	18	1566/710	26.6/675
40	12	14	1.278/32.47	1.518/38.56	1.61/40.9	1624/2417	18	2088/947	29/736
50	12	14	1.42/36.08	1.66/42.17	1.768/44.91	1960/2917	15	2610/1184	31.8/808
2	10	12	0.458/11.63	0.698/17.73	0.79/20.07	284/422	40	166/75	14.2/361
3	10	12	0.498/12.66	0.739/18.76	0.831/21.09	335/498	40	249/113	14.9/380

4	10	12	0.572/14.54	0.812/20 .64	0.905/22 .97	410/610	32	332/151	16.3/414
5	10	12	0.611/15.52	0.851/21 .62	0.943/23 .96	464/690	32	415/188	17/431
6	10	12	0.664/16.87	0.904/22 .96	0.996/25 .3	523/778	32	498/226	17.9/455
7	10	12	0.717/18.21	0.957/24 .3	1.049/26 .64	583/868	28	581/264	18.9/480
8	10	12	0.771/19.59	0.991/25 .18	1.083/27 .52	686/1021	28	664/301	19.5/495
10	10	12	0.84/21.34	1.08/27. 43	1.172/29 .77	788/1172	28	830/376	21.1/536
12	10	12	0.906/23.02	1.146/29 .12	1.238/31 .46	916/1363	28	996/452	22.3/566
15	10	12	0.977/24.81	1.217/30 .91	1.309/33 .24	1065/1585	28	1245/56 5	23.6/598
20	10	12	1.109/28.16	1.349/34 .26	1.441/36 .6	1314/1955	28	1660/75 3	25.9/659
25	10	12	1.232/31.29	1.472/37 .39	1.564/39 .73	1564/2328	24	2075/94 1	28.2/715
30	10	12	1.304/33.12	1.544/39 .22	1.652/41 .96	1806/2687	24	2490/11 29	29.7/755
40	10	12	1.461/37.1	1.701/43 .2	1.809/45 .94	2265/3370	24	3320/15 06	32.6/827
50	10	12	1.626/41.31	1.931/49 .06	2.039/51 .8	2805/4174	20	4150/18 82	36.7/932