

YY Type Control Cable

0.5mm² to 120mm²

HFFR Sheath

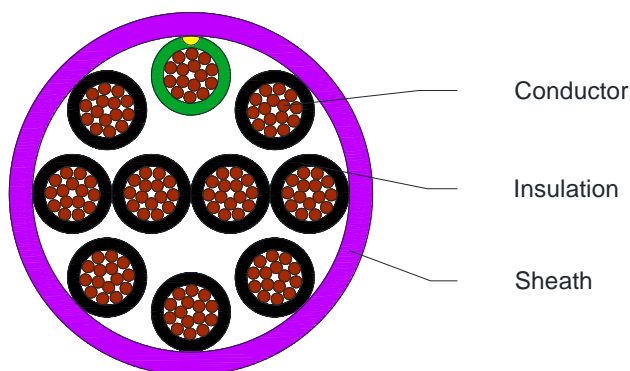


C2328 to C2446

Applications

Interconnecting cable for measuring, controlling or regulation in control equipment. Suitable for fixed installations or for flexible use in conditions of light mechanical stress.

Cross Section Drawing



Design

Unit	Properties
Conductor	Class 5 flexible plain copper wire
Insulation	HFFR Green/Yellow core and Black cores with number identified.
Filling	PVC strip (where required)
Wrapping	Polyester Tape
Outer Sheath Material	HFFR Standard Colour: Purple
Standard Put Up Length	305m

*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

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Electrical Characteristics at 20°C

Conductor Gauge (sq mm)	Max DC Resistance (Ohm/km)	Rated Temperature (°C)	Rated Voltage (V)	Min Insulation Resistance (M.Ohm/km)
0.5	< 39	-20 to +80	300	>500
0.75	< 27	-20 to +80	300	>500
1.0	< 20.2	-20 to +80	300	>500
1.5	< 14	-20 to +80	300	>500
2.5	< 8.4	-20 to +80	300	>500
4.0	< 5.0	-20 to +80	300	>500
6.0	< 3.3	-20 to +80	300	>500
10.0	< 1.91	-20 to +80	300	>500
16.0	< 1.21	-20 to +80	300	>500
25.0	< 0.78	-20 to +80	300	>500
35.0	< 0.554	-20 to +80	300	>500
50.0	< 0.386	-20 to +80	300	>500
70.0	< 0.272	-20 to +80	300	>500
95.0	< 0.206	-20 to +80	300	>500
120.0	< 0.161	-20 to +80	300	>500

Constructional Information

0.5mm²

P/N	Cross Sectional Area (mm ²)	Conductor Construction (mm)	Nom. Thickness of insulation (mm)	Nom. Thickness of jacket (mm)	Overall Diameter (mm)	Nom. Weight (kg/km)
C2328	2*0.5	15/0.20	0.4	0.80	5.00	36
C2329	3*0.5	15/0.20	0.4	0.80	5.30	43
C2330	4*0.5	15/0.20	0.4	0.80	5.70	51
C2331	5*0.5	15/0.20	0.4	0.80	6.20	61
C2332	7*0.5	15/0.20	0.4	0.80	6.70	75
C2333	8*0.5	15/0.20	0.4	0.80	7.20	84
C2334	10*0.5	15/0.20	0.4	0.80	8.40	106
C2335	12*0.5	15/0.20	0.4	0.80	8.70	120
C2336	16*0.5	15/0.20	0.4	0.80	9.60	152
C2337	18*0.5	15/0.20	0.4	0.80	10.10	170
C2338	20*0.5	15/0.20	0.4	0.80	10.40	181
C2339	21*0.5	15/0.20	0.4	0.80	10.60	189
C2340	25*0.5	15/0.20	0.4	0.90	12.30	232
C2341	30*0.5	15/0.20	0.4	0.90	12.70	266
C2342	32*0.5	15/0.20	0.4	1.00	13.40	292
C2343	34*0.5	15/0.20	0.4	1.00	14.00	310
C2344	36*0.5	15/0.20	0.4	1.00	15.00	322
C2345	40*0.5	15/0.20	0.4	1.00	16.00	361

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C2328 to C2446

0.75mm²

P/N	Cross Sectional Area (mm ²)	Conductor Construction (mm)	Nom. Thickness of insulation (mm)	Nom. Thickness of jacket (mm)	Overall Diameter (mm)	Nom. Weight (kg/km)
C2346	2*0.75	23/0.20	0.4	0.80	5.40	45
C2347	3*0.75	23/0.20	0.4	0.80	5.70	53
C2348	4*0.75	23/0.20	0.4	0.80	6.20	65
C2349	5*0.75	23/0.20	0.4	0.80	6.80	78
C2350	6*0.75	23/0.20	0.4	0.80	7.30	93
C2351	7*0.75	23/0.20	0.4	0.80	7.30	98
C2352	8*0.75	23/0.20	0.4	0.80	7.90	114
C2353	10*0.75	23/0.20	0.4	0.80	9.20	139
C2354	12*0.75	23/0.20	0.4	0.80	9.50	158
C2355	18*0.75	23/0.20	0.4	0.90	11.30	226
C2356	20*0.75	23/0.20	0.4	0.90	11.60	246
C2357	21*0.75	23/0.20	0.4	0.90	11.90	258
C2358	25*0.75	23/0.20	0.4	1.00	13.70	315
C2359	32*0.75	23/0.20	0.4	1.00	14.70	388
C2360	34*0.75	23/0.20	0.4	1.00	15.30	409
C2361	42*0.75	23/0.20	0.4	1.20	17.60	515
C2362	50*0.75	23/0.20	0.4	1.20	18.40	591
C2363	65*0.75	23/0.20	0.4	1.20	15.30	762

1.0mm²

P/N	Cross Sectional Area (mm ²)	Conductor Construction (mm)	Nom. Thickness of insulation (mm)	Nom. Thickness of jacket (mm)	Overall Diameter (mm)	Nom. Weight (kg/km)
C2364	2*1.0	30/0.20	0.4	0.80	5.80	45
C2365	3*1.0	30/0.20	0.4	0.80	6.10	64
C2366	4*1.0	30/0.20	0.4	0.80	6.70	78
C2367	5*1.0	30/0.20	0.4	0.80	7.30	94
C2368	7*1.0	30/0.20	0.4	0.80	7.90	119
C2369	8*1.0	30/0.20	0.4	0.80	8.50	133
C2370	10*1.0	30/0.20	0.4	0.80	10.00	169
C2371	12*1.0	30/0.20	0.4	0.80	10.30	192
C2372	14*1.0	30/0.20	0.4	0.80	10.90	218
C2373	18*1.0	30/0.20	0.4	0.90	12.30	282
C2374	21*1.0	30/0.20	0.4	0.90	12.90	316
C2375	25*1.0	30/0.20	0.4	1.00	15.00	385
C2376	34*1.0	30/0.20	0.4	1.20	17.10	522
C2377	41*1.0	30/0.20	0.4	1.40	19.60	636
C2378	42*1.0	30/0.20	0.4	1.40	19.60	648
C2379	50*1.0	30/0.20	0.4	1.40	20.50	749
C2380	65*1.0	30/0.20	0.4	1.50	22.50	951

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1.5mm²

P/N	Cross Sectional Area (mm ²)	Conductor Construction (mm)	Nom. Thickness of insulation (mm)	Nom. Thickness of jacket (mm)	Overall Diameter (mm)	Nom. Weight (kg/km)
C2381	2*1.5	27/0.25	0.4	0.80	6.20	65
C2382	3*1.5	27/0.25	0.4	0.80	6.60	80
C2383	4*1.5	27/0.25	0.4	0.80	7.20	99
C2384	5*1.5	27/0.25	0.4	0.80	7.80	120
C2385	7*1.5	27/0.25	0.4	0.80	8.50	153
C2386	8*1.5	27/0.25	0.4	0.80	9.20	170
C2387	10*1.5	27/0.25	0.4	0.80	10.80	218
C2388	12*1.5	27/0.25	0.4	0.80	11.20	250
C2389	14*1.5	27/0.25	0.4	0.90	12.00	291
C2390	18*1.5	27/0.25	0.4	0.90	13.30	368
C2391	20*1.5	27/0.25	0.4	0.90	13.70	395
C2392	21*1.5	27/0.25	0.4	0.90	14.00	415
C2393	25*1.5	27/0.25	0.4	1.20	16.60	520
C2394	32*1.5	27/0.25	0.4	1.30	18.00	649
C2395	34*1.5	27/0.25	0.4	1.40	18.90	701
C2396	42*1.5	27/0.25	0.4	1.40	21.20	848
C2397	50*1.5	27/0.25	0.4	1.50	22.40	995
C2398	61*1.5	27/0.25	0.4	1.50	23.70	1181
C2399	65*1.5	27/0.25	0.4	1.60	24.60	1266

2.5mm²

P/N	Cross Sectional Area (mm ²)	Conductor Construction (mm)	Nom. Thickness of insulation (mm)	Nom. Thickness of jacket (mm)	Overall Diameter (mm)	Nom. Weight (kg/km)
C2400	2*2.5	45/0.25	0.5	0.80	7.60	100
C2401	3*2.5	45/0.25	0.5	0.80	8.10	125
C2402	4*2.5	45/0.25	0.5	0.80	8.80	154
C2403	5*2.5	45/0.25	0.5	0.80	9.70	191
C2404	7*2.5	45/0.25	0.5	0.80	10.60	244
C2405	10*2.5	45/0.25	0.5	0.90	13.80	355
C2406	12*2.5	45/0.25	0.5	0.90	14.30	409
C2407	15*2.5	45/0.25	0.5	1.20	16.50	532
C2408	18*2.5	45/0.25	0.5	1.20	17.40	617
C2409	20*2.5	45/0.25	0.5	1.20	17.90	661
C2410	21*2.5	45/0.25	0.5	1.20	18.30	695
C2411	25*2.5	45/0.25	0.5	1.40	21.30	851
C2412	34*2.5	45/0.25	0.5	1.60	24.2	1146

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4.0mm²

P/N	Cross Sectional Area (mm ²)	Conductor Construction (mm)	Nom. Thickness of insulation (mm)	Nom. Thickness of jacket (mm)	Overall Diameter (mm)	Nom. Weight (kg/km)
C2413	2*4.0	53/0.30	0.6	0.80	9.00	148
C2414	3*4.0	53/0.30	0.6	0.80	9.60	125
C2415	4*4.0	53/0.30	0.6	0.80	10.50	232
C2416	5*4.0	53/0.30	0.6	0.90	11.80	292
C2417	7*4.0	53/0.30	0.6	0.90	12.90	377

6.0mm²

P/N	Cross Sectional Area (mm ²)	Conductor Construction (mm)	Nom. Thickness of insulation (mm)	Nom. Thickness of jacket (mm)	Overall Diameter (mm)	Nom. Weight (kg/km)
C2418	2*6.0	80/0.30	0.7	0.90	10.60	213
C2419	3*6.0	80/0.30	0.7	1.00	11.50	275
C2420	4*6.0	80/0.30	0.7	1.00	12.60	343
C2421	5*6.0	80/0.30	0.7	1.00	13.90	424
C2422	7*6.0	80/0.30	0.7	1.00	15.20	549

10.0mm²

P/N	Cross Sectional Area (mm ²)	Conductor Construction (mm)	Nom. Thickness of insulation (mm)	Nom. Thickness of jacket (mm)	Overall Diameter (mm)	Nom. Weight (kg/km)
C2423	2*10.0	81/0.39	0.8	1.00	13.20	347
C2424	3*10.0	81/0.39	0.8	1.00	14.10	439
C2425	4*10.0	81/0.39	0.8	1.10	15.70	558
C2426	5*10.0	81/0.39	0.8	1.20	17.50	701
C2427	7*10.0	81/0.39	0.8	1.40	19.60	928

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16.0mm²

P/N	Cross Sectional Area (mm ²)	Conductor Construction (mm)	Nom. Thickness of insulation (mm)	Nom. Thickness of jacket (mm)	Overall Diameter (mm)	Nom. Weight (kg/km)
C2428	3*16.0	127/0.39	0.9	1.20	17.10	666
C2429	4*16.0	127/0.39	0.9	1.30	19.00	847
C2430	5*16.0	127/0.39	0.9	1.40	21.2	1061
C2431	7*16.0	127/0.39	0.9	1.50	23.4	1392

25.0 mm²

P/N	Cross Sectional Area (mm ²)	Conductor Construction (mm)	Nom. Thickness of insulation (mm)	Nom. Thickness of jacket (mm)	Overall Diameter (mm)	Nom. Weight (kg/km)
C2432	2*25.0	197/0.39	1.0	1.40	20.20	802
C2433	3*25.0	197/0.39	1.0	1.40	21.50	1026
C2434	4*25.0	197/0.39	1.0	1.50	24.00	1301
C2435	5*25.0	197/0.39	1.0	1.70	27.00	1648

35.0 mm²

P/N	Cross Sectional Area (mm ²)	Conductor Construction (mm)	Nom. Thickness of insulation (mm)	Nom. Thickness of jacket (mm)	Overall Diameter (mm)	Nom. Weight (kg/km)
C2436	3*35.0	278/0.39	1.2	1.60	24.30	1402
C2437	4*35.0	278/0.39	1.2	1.70	27.10	1782
C2438	5*35.0	278/0.39	1.2	1.80	30.10	2228

50.0~120.0 mm²

P/N	Cross Sectional Area (mm ²)	Conductor Construction (mm)	Nom. Thickness of insulation (mm)	Nom. Thickness of jacket (mm)	Overall Diameter (mm)	Nom. Weight (kg/km)
C2439	3*50.0	399/0.39	1.5	1.80	29.20	1992
C2440	4*50.0	399/0.39	1.5	2.00	32.70	2414
C2441	5*50.0	399/0.39	1.5	2.50	37.10	3246
C2442	4*70.0	334/0.50	1.5	2.50	37.6	3500
C2443	5*70.0	334/0.50	1.5	2.80	42.00	4396
C2444	4*95.0	440/0.50	1.7	3.20	43.80	4673
C2445	5*95.0	440/0.50	1.7	3.50	48.90	5863
C2446	4*120.0	563/0.50	1.9	4.50	51.20	6174

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Reference Standards

VDE 2050	IEC60332-3-24
BS 6500	IEC60754-1 & -2
RoHS directives	IEC61034