

CY Type Control Cable
0.5mm² to 35mm²
HFFR/LSZH Sheath

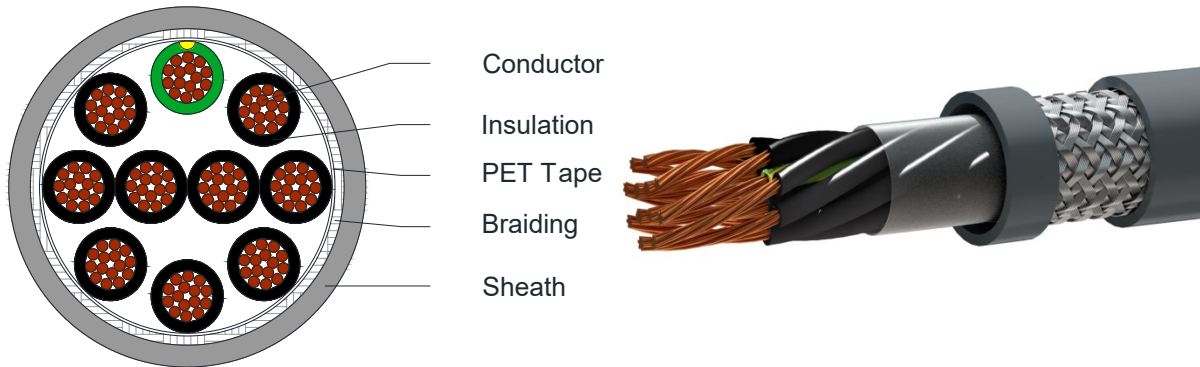


C2560 TO C2652

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/LSZH (Halogen Free Flame Retardant/Low Smoke Zero Halogen) Green/Yellow core and Black cores with number identified.
Filling	PVC strip (where required)
Wrapping Tape	PET Tape
Braiding	Tinned copper wire
Outer Sheath Material	HFFR/LSZH (Halogen Free Flame Retardant/Low Smoke Zero Halogen) Standard Colour: Grey
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

Constructional Information

0.5mm²

P/N	Cross Sectional Area (mm ²)	Conductor Construction (mm)	Nom. Thickness of insulation (mm)	Braiding Wire (mm)	Nom. Thickness of jacket (mm)	Overall Diameter (mm)	Nom. Weight (kg/km)
C2560	2*0.5	15/0.20	0.4	16/5/0.10	0.80	5.60	38
C2561	3*0.5	15/0.20	0.4	16/5/0.10	0.80	5.90	46
C2562	4*0.5	15/0.20	0.4	16/6/0.10	0.80	6.30	55
C2563	5*0.5	15/0.20	0.4	16/6/0.10	0.80	6.80	66
C2564	7*0.5	15/0.20	0.4	16/6/0.10	0.80	7.30	80
C2565	10*0.5	15/0.20	0.4	16/7/0.12	0.80	9.10	112
C2566	12*0.5	15/0.20	0.4	16/7/0.12	0.80	9.40	127
C2567	18*0.5	15/0.20	0.4	24/6/0.12	0.80	10.80	179
C2568	20*0.5	15/0.20	0.4	24/6/0.12	0.80	11.00	190
C2569	21*0.5	15/0.20	0.4	24/6/0.12	0.80	11.30	196
C2570	25*0.5	15/0.20	0.4	24/7/0.12	1.00	13.20	246
C2571	34*0.5	15/0.20	0.4	24/6/0.15	1.20	15.10	339

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0.75mm²

P/N	Cross Sectional Area (mm ²)	Conductor Construction (mm)	Nom. Thickness of insulation (mm)	Braiding Wire (mm)	Nom. Thickness of jacket (mm)	Overall Diameter (mm)	Nom. Weight (kg/km)
C2572	2*0.75	23/0.20	0.4	16/5/0.10	0.80	6.0	45.0
C2573	3*0.75	23/0.20	0.4	16/6/0.10	0.80	6.3	56.1
C2574	4*0.75	23/0.20	0.4	16/6/0.10	0.80	6.8	68.2
C2575	5*0.75	23/0.20	0.4	16/6/0.10	0.80	7.3	82.1
C2576	7*0.75	23/0.20	0.4	16/6/0.12	0.80	8.0	104.4
C2577	10*0.75	23/0.20	0.4	16/6/0.15	0.80	10.0	148.0
C2578	12*0.75	23/0.20	0.4	24/5/0.12	0.80	10.2	163.8
C2579	18*0.75	23/0.20	0.4	24/6/0.12	0.90	12.0	238.7
C2580	20*0.75	23/0.20	0.4	24/7/0.12	0.90	12.2	254.7
C2581	21*0.75	23/0.20	0.4	24/7/0.12	0.90	12.6	266.1
C2582	25*0.75	23/0.20	0.4	24/6/0.15	1.00	14.5	326.6
C2583	32*0.75	23/0.20	0.4	24/7/0.15	1.10	15.6	407.5
C2584	34*0.75	23/0.20	0.4	24/7/0.15	1.20	16.5	466.1
C2585	40*0.75	23/0.20	0.4	32/5/0.20	1.30	18.9	530.7
C2586	50*0.75	23/0.20	0.4	32/5/0.20	1.40	20.1	624.1

1.0mm²

P/N	Cross Sectional Area (mm ²)	Conductor Construction (mm)	Nom. Thickness of insulation (mm)	Braiding Wire (mm)	Nom. Thickness of jacket (mm)	Overall Diameter (mm)	Nom. Weight (kg/km)
C2588	2*1.0	30/0.20	0.4	16/6/0.10	0.80	6.4	51.8
C2589	3*1.0	30/0.20	0.4	16/6/0.10	0.80	6.7	65.1
C2590	4*1.0	30/0.20	0.4	16/6/0.10	0.80	7.3	80.2
C2591	5*1.0	30/0.20	0.4	16/7/0.10	0.80	7.9	97.4
C2592	7*1.0	30/0.20	0.4	16/8/0.10	0.80	8.5	122.0
C2593	8*1.0	30/0.20	0.4	16/7/0.12	0.80	9.2	139.6
C2594	10*1.0	30/0.20	0.4	24/5/0.12	0.80	10.8	171.9
C2595	12*1.0	30/0.20	0.4	24/6/0.12	0.90	11.3	202.1
C2596	18*1.0	30/0.20	0.4	24/6/0.12	0.90	13.1	288.6
C2597	21*1.0	30/0.20	0.4	24/5/0.15	1.00	14.0	337.7
C2598	25*1.0	30/0.20	0.4	24/7/0.15	1.20	16.1	408.7
C2599	30*1.0	30/0.20	0.4	24/7/0.15	1.20	16.6	472.0
C2600	32*1.0	30/0.20	0.4	32/5/0.20	1.30	17.8	526.0
C2601	34*1.0	30/0.20	0.4	32/5/0.20	1.30	18.4	556.3
C2602	50*1.0	30/0.20	0.4	32/6/0.20	1.40	21.1	784.1

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1.5mm²

P/N	Cross Sectional Area (mm ²)	Conductor Construction (mm)	Nom. Thickness of insulation (mm)	Braiding Wire (mm)	Nom. Thickness of jacket (mm)	Overall Diameter (mm)	Nom. Weight (kg/km)
C2603	2*1.5	27/0.25	0.4	16/6/0.10	0.80	6.8	62.8
C2604	3*1.5	27/0.25	0.4	16/6/0.10	0.80	7.2	81.0
C2605	4*1.5	27/0.25	0.4	16/7/0.10	0.80	7.8	100.0
C2606	5*1.5	27/0.25	0.4	16/8/0.10	0.80	8.4	122.3
C2607	7*1.5	27/0.25	0.4	16/8/0.10	0.80	9.1	155.1
C2608	10*1.5	27/0.25	0.4	24/6/0.12	0.90	11.7	224.4
C2609	12*1.5	27/0.25	0.4	24/6/0.12	0.90	12.1	258.9
C2610	18*1.5	27/0.25	0.4	24/6/0.15	1.00	14.3	385.7
C2611	20*1.5	27/0.25	0.4	24/6/0.15	1.00	14.6	414.1
C2612	21*1.5	27/0.25	0.4	24/7/0.15	1.00	15.0	432.2
C2613	25*1.5	27/0.25	0.4	32/5/0.20	1.20	17.5	540.4
C2614	32*1.5	27/0.25	0.4	32/5/0.20	1.30	18.9	673.0
C2615	34*1.5	27/0.25	0.4	32/5/0.20	1.40	20.1	727.2
C2616	42*1.5	27/0.25	0.4	32/6/0.20	1.50	22.7	883.8

2.0mm²

P/N	Cross Sectional Area (mm ²)	Conductor Construction (mm)	Nom. Thickness of insulation (mm)	Braiding Wire (mm)	Nom. Thickness of jacket (mm)	Overall Diameter (mm)	Nom. Weight (kg/km)
C2617	2*2.5	45/0.25	0.5	16/8/0.10	0.80	8.2	91.3
C2618	3*2.5	45/0.25	0.5	16/8/0.10	0.80	8.7	120.7
C2619	4*2.5	45/0.25	0.5	16/7/0.12	0.80	9.5	154.1
C2620	5*2.5	45/0.25	0.5	16/8/0.12	0.80	10.2	190.2
C2621	7*2.5	45/0.25	0.5	24/6/0.12	0.90	11.5	249.4
C2622	10*2.5	45/0.25	0.5	24/7/0.15	1.00	14.8	361.2
C2623	12*2.5	45/0.25	0.5	24/7/0.15	1.20	15.7	431.7
C2624	18*2.5	45/0.25	0.5	32/5/0.20	1.40	19.0	654.1
C2625	21*2.5	45/0.25	0.5	32/5/0.20	1.40	20.0	735.4
C2626	25*2.5	45/0.25	0.5	32/6/0.20	1.60	23.0	887.7
C2627	34*2.5	45/0.25	0.5	32/6/0.20	1.60	25.4	1162.2
C2628	50*2.5	45/0.25	0.5	32/7/0.20	1.80	30.0	1649.9

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4.0mm²

P/N	Cross Sectional Area (mm ²)	Conductor Construction (mm)	Nom. Thickness of insulation (mm)	Braiding Wire (mm)	Nom. Thickness of jacket (mm)	Overall Diameter (mm)	Nom. Weight (kg/km)
C2629	2*4.0	53/0.30	0.6	16/7/0.12	0.80	8.20	127.1
C2630	3*4.0	53/0.30	0.6	16/8/0.12	0.80	10.30	178.1
C2631	4*4.0	53/0.30	0.6	24/6/0.12	0.80	11.2	225.3
C2632	5*4.0	53/0.30	0.6	24/7/0.12	0.90	12.5	286.7
C2633	7*4.0	53/0.30	0.6	24/7/0.12	1.00	13.8	376.1

6.0mm²

P/N	Cross Sectional Area (mm ²)	Conductor Construction (mm)	Nom. Thickness of insulation (mm)	Braiding Wire (mm)	Nom. Thickness of jacket (mm)	Overall Diameter (mm)	Nom. Weight (kg/km)
C2634	2*6.0	80/0.30	0.7	16/8/0.12	0.80	10.30	176.8
C2635	3*6.0	80/0.30	0.7	16/8/0.12	0.80	10.90	242.7
C2636	4*6.0	80/0.30	0.7	24/6/0.12	0.90	12.20	316.8
C2637	5*6.0	80/0.30	0.7	24/7/0.12	1.00	13.50	402.5
C2638	7*6.0	80/0.30	0.7	24/8/0.12	1.10	14.90	531.4

10.0mm²

P/N	Cross Sectional Area (mm ²)	Conductor Construction (mm)	Nom. Thickness of insulation (mm)	Braiding Wire (mm)	Nom. Thickness of jacket (mm)	Overall Diameter (mm)	Nom. Weight (kg/km)
C2639	2*10.0	81/0.39	0.8	24/7/0.12	1.00	12.90	287.9
C2640	3*10.0	81/0.39	0.8	24/8/0.12	1.10	15.00	410.3
C2641	4*10.0	81/0.39	0.8	24/9/0.12	1.10	15.80	521.8
C2642	5*10.0	81/0.39	0.8	32/5/0.12	1.30	18.40	698.2
C2643	7*10.0	81/0.39	0.8	32/5/0.12	1.40	20.40	915.1

16.0mm²

P/N	Cross Sectional Area (mm ²)	Conductor Construction (mm)	Nom. Thickness of insulation (mm)	Braiding Wire (mm)	Nom. Thickness of jacket (mm)	Overall Diameter (mm)	Nom. Weight (kg/km)
C2644	2*16.0	127/0.39	0.9	24/9/0.12	1.20	16.70	435.8
C2645	3*16.0	127/0.39	0.9	32/5/0.12	1.30	18.40	645.2
C2646	4*16.0	127/0.39	0.9	32/5/0.12	1.40	20.40	837.1
C2647	5*16.0	127/0.39	0.9	32/6/0.12	1.50	22.60	1056.9
C2648	7*16.0	127/0.39	0.9	32/6/0.12	1.50	24.60	1379.9

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25.0 mm²

P/N	Cross Sectional Area (mm ²)	Conductor Construction (mm)	Nom. Thickness of insulation (mm)	Braiding Wire (mm)	Nom. Thickness of jacket (mm)	Overall Diameter (mm)	Nom. Weight (kg/km)
C2649	4*25.0	197/0.39	1.0	32/7/0.20	1.50	25.00	1224.0
C2650	5*25.0	197/0.39	1.0	32/7/0.20	1.70	28.10	1564.0

35.0 mm²

P/N	Cross Sectional Area (mm ²)	Conductor Construction (mm)	Nom. Thickness of insulation (mm)	Braiding Wire (mm)	Nom. Thickness of jacket (mm)	Overall Diameter (mm)	Nom. Weight (kg/km)
C2651	4*35.0	278/0.39	1.2	32/7/0.20	1.70	28.10	1672.4
C2652	5*35.0	278/0.39	1.2	32/8/0.20	1.90	31.30	2130.6

Reference Standards

VDE 2050	IEC 60228
BS 6500	EN 50290-2
IEC 60754-1 & 2	IEC 61034
RoHS directives	IEC60332-1