

**LIYY Cable**  
**0.14mm<sup>2</sup> to 1.0mm<sup>2</sup>**  
**PVC Sheath**

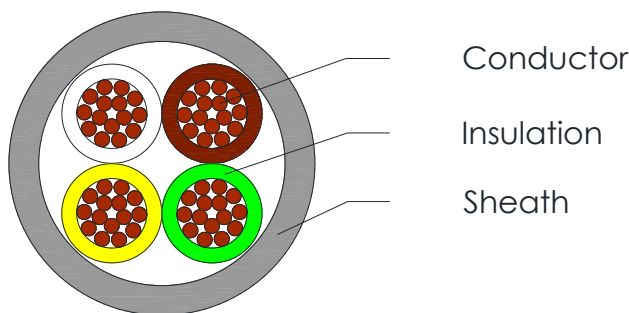


**C4458 TO C4501**

**Applications**

Can be used multifunctional in electronics of computer systems, electronic control equipment, office machines, balances, etc. Dry or damp rooms

**Cross Section Drawing**



**Design**

| Unit                   | Properties                        |
|------------------------|-----------------------------------|
| Conductor              | Stranded bare copper wire         |
| Insulation             | FR-PVC<br>Color code to DIN 47100 |
| Cabling                | Cores cabled together             |
| Outer Sheath Material  | FR-PVC<br>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.

**Electrical Characteristics at 20°C**

| Mutual Capacitance core to core (nF/km) | Inductivity (mH/km) | Min. Bending Radius |                    | Peak Operating Voltage (V) |                          | Temperature range (°C) |                    |
|---|---------------------|---------------------|--------------------|----------------------------|--------------------------|------------------------|--------------------|
|   |                     | For Flexible use    | Fixed Installation | At 0.14mm <sup>2</sup>     | At ≥ 0.25mm <sup>2</sup> | Fixed Installation     | Occasional flexing |
| 120                                     | 0.65                | 10*OD               | 4*OD               | 350                        | 500                      | -40 to +80             | -5 to +70          |

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**C4458 TO C4501**

**Constructional Information**

**0.14mm<sup>2</sup>**

| P/N   | Cross Sectional Area (mm <sup>2</sup> ) | Overall Diameter (mm) | Copper Index (kg/km) | Nom. Weight (kg/km) |
|-------|---|-----------------------|----------------------|---------------------|
| C4458 | 2×0.14                                  | 3.2                   | 2.7                  | 13.2                |
| C4459 | 3×0.14                                  | 3.4                   | 4.05                 | 16.0                |
| C4460 | 4×0.14                                  | 3.6                   | 5.4                  | 18.9                |
| C4461 | 6×0.14                                  | 3.9                   | 6.72                 | 22.2                |
| C4462 | 8×0.14                                  | 4.9                   | 10.2                 | 35.2                |
| C4463 | 10×0.14                                 | 5.2                   | 13.5                 | 41.2                |
| C4464 | 12×0.14                                 | 5.6                   | 16.2                 | 48.4                |
| C4465 | 16×0.14                                 | 6.1                   | 21.6                 | 59.1                |
| C4466 | 20×0.14                                 | 7.0                   | 27.0                 | 70.8                |
| C4467 | 25×0.14                                 | 7.8                   | 33.6                 | 87.2                |

**0.25mm<sup>2</sup>**

| P/N   | Cross Sectional Area (mm <sup>2</sup> ) | Overall Diameter (mm) | Copper Index (kg/km) | Nom. Weight (kg/km) |
|-------|---|-----------------------|----------------------|---------------------|
| C4468 | 2×0.25                                  | 3.8                   | 4.8                  | 18                  |
| C4469 | 3×0.25                                  | 4.0                   | 7.2                  | 22                  |
| C4470 | 4×0.25                                  | 4.3                   | 9.6                  | 26.2                |
| C4471 | 6×0.25                                  | 5.1                   | 14.4                 | 39                  |
| C4472 | 8×0.25                                  | 6.2                   | 19.2                 | 49.2                |
| C4473 | 10×0.25                                 | 6.8                   | 24.0                 | 58                  |
| C4474 | 12×0.25                                 | 7.0                   | 28.8                 | 67                  |
| C4475 | 16×0.25                                 | 7.7                   | 38.4                 | 84.3                |
| C4476 | 25×0.25                                 | 9.6                   | 60.0                 | 134                 |

**0.34mm<sup>2</sup>**

| P/N   | Cross Sectional Area (mm <sup>2</sup> ) | Overall Diameter (mm) | Copper Index (kg/km) | Nom. Weight (kg/km) |
|-------|---|-----------------------|----------------------|---------------------|
| C4477 | 2×0.34                                  | 4.2                   | 6.6                  | 25                  |
| C4478 | 3×0.34                                  | 4.4                   | 9.9                  | 31                  |
| C4479 | 4×0.34                                  | 4.8                   | 13.1                 | 43.2                |
| C4480 | 6×0.34                                  | 5.9                   | 19.6                 | 55                  |
| C4481 | 8×0.34                                  | 7.1                   | 26.1                 | 73.1                |
| C4482 | 10×0.34                                 | 7.6                   | 32.6                 | 82                  |
| C4483 | 12×0.34                                 | 7.8                   | 39.1                 | 102                 |
| C4484 | 16×0.34                                 | 8.7                   | 52                   | 127                 |
| C4485 | 25×0.34                                 | 11.2                  | 81.6                 | 190                 |

**LIYY Cable**  
**0.14mm<sup>2</sup> to 1.0mm<sup>2</sup>**  
**PVC Sheath**



**C4458 TO C4501**

**0.50mm<sup>2</sup>**

| P/N   | Cross Sectional Area (mm <sup>2</sup> ) | Overall Diameter (mm) | Copper Index (kg/km) | Nom. Weight (kg/km) |
|-------|---|-----------------------|----------------------|---------------------|
| C4486 | 2×0.50                                  | 4.7                   | 9.6                  | 30                  |
| C4487 | 3×0.50                                  | 5.0                   | 14.4                 | 39                  |
| C4488 | 4×0.50                                  | 5.6                   | 19.2                 | 49                  |
| C4489 | 8×0.50                                  | 8.0                   | 38.4                 | 90                  |
| C4490 | 12×0.50                                 | 8.9                   | 58                   | 133                 |
| C4491 | 16×0.50                                 | 10.2                  | 77                   | 170                 |

**0.75mm<sup>2</sup>**

| P/N   | Cross Sectional Area (mm <sup>2</sup> ) | Overall Diameter (mm) | Copper Index (kg/km) | Nom. Weight (kg/km) |
|-------|---|-----------------------|----------------------|---------------------|
| C4492 | 2×0.75                                  | 5.1                   | 14.4                 | 48                  |
| C4493 | 3×0.75                                  | 5.6                   | 21.6                 | 57                  |
| C4494 | 4×0.75                                  | 6.1                   | 28.8                 | 69                  |
| C4495 | 5×0.75                                  | 6.9                   | 36                   | 78                  |
| C4496 | 8×0.75                                  | 8.7                   | 58                   | 126                 |
| C4497 | 12×0.75                                 | 10.1                  | 86                   | 176                 |

**1.00mm<sup>2</sup>**

| P/N   | Cross Sectional Area (mm <sup>2</sup> ) | Overall Diameter (mm) | Copper Index (kg/km) | Nom. Weight (kg/km) |
|-------|---|-----------------------|----------------------|---------------------|
| C4498 | 2×1.00                                  | 5.6                   | 19.2                 | 55                  |
| C4499 | 3×1.00                                  | 5.9                   | 29                   | 70                  |
| C4500 | 4×1.00                                  | 6.4                   | 38.4                 | 79                  |
| C4501 | 5×1.00                                  | 7.3                   | 48                   | 98                  |

**Reference Standards**

|                 |            |
|-----------------|------------|
| IEC 60228       | DIN 47100  |
| EN 50290-2      | IEC60332-1 |
| RoHS directives |            |