



### CONTACT

Market information  
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Power supply multiconductor cables for dynamic application with PVC jacket, unshielded, resistant to oils, flame retardant, MTW

### STANDARDS

**Product** UL and CSA approval

#### Normative Reference:

UL and CSA approval  
 AWM 80°C - 600V/1000V  
 AWM 80°C - 600V/1000V FT1  
 MTW 90°C - 600V

#### **Oil resistance:**

IEC 50363-4-1

#### **Refrigerant oil resistance:**

CNOMO E.03.40.150  
 NFT 46-013

#### **Flame retardant:**

IEC 60332-1-2  
 FT1  
 UL 1581  
 EN 50265-2-1

#### Core identification

4x U/L1/C/L + V/L2 W/L37D/L- Yellow/Green  
 7 x Black numerated Yellow/Green



Operating temp.  
 -25 ... 80 °C



Storage temperature, range  
 -30 ... 80 °C



Flame retardant  
 IEC/EN 60332-1-2; FT1; UL 1581 FT1



Oil resistance  
 EN 50363-4-1

## CHARACTERISTICS

## Construction characteristics

|                    |                                |
|--------------------|--------------------------------|
| Conductor material | Stranded bare copper           |
| Insulation         | PVC                            |
| Taping             | Soft tape                      |
| Insulation colour  | Black w. number + yellow/green |
| Outer sheath       | PVC                            |
| Sheath colour      | Grey RAL 7001                  |

## Electrical characteristics

|                                 |          |
|---------------------------------|----------|
| Rated Voltage U <sub>0</sub> /U | 0.6/1 kV |
|---------------------------------|----------|

## Mechanical characteristics

|                        |                     |
|------------------------|---------------------|
| Maximum acceleration   | 10 m/s <sup>2</sup> |
| Minimum bending cycles | 5 Mio.              |
| Speed                  | 180 m/min           |

## Usage characteristics

|  |                                    |
|--|------------------------------------|
| Field of application                     | Dynamic                            |
| Minimum dynamic operating bending radius | 10 (xD)                            |
| Operating temperature, range             | -25 ... 80 °C                      |
| Storage temperature, range               | -30 ... 80 °C                      |
| Flame retardant                          | IEC/EN 60332-1-2; FT1; UL 1581 FT1 |
| Oil resistance                           | EN 50363-4-1                       |

## PRODUCT LIST

| Reference         | Country Ref.    | Name        | Construction type | Nominal outer diameter [mm] | Copper content [kg/km] |
|-------------------|-----------------|-------------|-------------------|-----------------------------|------------------------|
| ☎ 13-ELW15G03R-C1 | 13-ELW15G03R-C1 | 3x1.50 mmq  | 3G1,5             | 9.4                         | 43                     |
| 🏠 10553187        | 13-ELW15G04R-C1 | 4x1.50 mmq  | 4G1,5             | 10.3                        | 58                     |
| ☎ 13-ELW15G07R-C1 | 13-ELW15G07R-C1 | 7x1.50 mmq  | 7G1,5             | 12.1                        | 101                    |
| ☎ 13-ELW13G03R-C1 | 13-ELW13G03R-C1 | 3x2.50 mmq  | 3G2,5             | 10.3                        | 72                     |
| 🏠 10553186        | 13-ELW13G04R-C1 | 4x2.50 mmq  | 4G2,5             | 11.2                        | 96                     |
| ☎ 13-ELW13G07R-C1 | 13-ELW13G07R-C1 | 7x2.50 mmq  | 7G2,5             | 14.1                        | 168                    |
| ☎ 13-ELW11G03R-C1 | 13-ELW11G03R-C1 | 3x4.00 mmq  | 3G4               | 11.7                        | 118                    |
| 🏠 10553185        | 13-ELW11G04R-C1 | 4x4.00 mmq  | 4G4               | 13.0                        | 158                    |
| ☎ 13-ELW11G07R-C1 | 13-ELW11G07R-C1 | 7x4.00 mmq  | 7G4               | 16.2                        | 277                    |
| ☎ 13-ELW09G03R-C1 | 13-ELW09G03R-C1 | 3x6.00 mmq  | 3G6               | 14.5                        | 173                    |
| 🏠 10553180        | 13-ELW09G04R-C1 | 4x6.00 mmq  | 4G6               | 15.8                        | 230                    |
| ☎ 13-ELW09G07R-C1 | 13-ELW09G07R-C1 | 7x6.00 mmq  | 7G6               | 18.9                        | 403                    |
| ☎ 13-ELW07G03R-C1 | 13-ELW07G03R-C1 | 3x10.00 mmq | 3G10              | 18.0                        | 292                    |
| 🏠 10553177        | 13-ELW07G04R-C1 | 4x10.00 mmq | 4G10              | 19.4                        | 390                    |

☎ = Make to order, 🏠 = In stock,

| Reference         | Country Ref.    | Name        | Construction type | Nominal outer diameter [mm] | Copper content [kg/km] |
|-------------------|-----------------|-------------|-------------------|-----------------------------|------------------------|
| ☎ 13-ELW07G07R-C1 | 13-ELW07G07R-C1 | 7x10.00 mmq | 7G10              | 24.7                        | 681                    |
| ☎ 13-ELW05G04R-C1 | 13-ELW05G04R-C1 | 4x16.00 mmq | 4G16              | 25.5                        | 690                    |
| ☎ 13-ELW05G07R-C1 | 13-ELW05G07R-C1 | 7x16.00 mmq | 7G16              | 30.4                        | 1075                   |
| ☎ 13-ELW03G03R-C1 | 13-ELW03G03R-C1 | 3x25.00 mmq | 3G25              | 25.5                        | 720                    |
| ☎ 13-ELW03G04R-C1 | 13-ELW03G04R-C1 | 4x25.00 mmq | 4G25              | 28.2                        | 960                    |
| ☎ 13-ELW02G03R-C1 | 13-ELW02G03R-C1 | 3x35.00 mmq | 3G35              | 28.0                        | 1005                   |
| ☎ 13-ELW02G04R-C1 | 13-ELW02G04R-C1 | 4x35.00 mmq | 4G35              | 30.6                        | 1339                   |
| ☎ 13-ELWA1G03R-C1 | 13-ELWA1G03R-C1 | 3x50.00 mmq | 3G50              | 34.0                        | 1440                   |
| ☎ 13-ELWA1G04R-C1 | 13-ELWA1G04R-C1 | 4x50.00 mmq | 4G50              | 37.5                        | 1920                   |
| ☎ 13-ELWA2G03R-C1 | 13-ELWA2G03R-C1 | 3x75.00 mmq | 3G75              | 38.5                        | 2160                   |
| ☎ 13-ELWA2G04R-C1 | 13-ELWA2G04R-C1 | 4x75.00 mmq | 4G75              | 47.4                        | 2880                   |
| ☎ 13-ELW05G03R-C1 | 13-ELW05G03R-C1 | 3x16.00 mmq | 3G16              | 23.0                        | 461                    |

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