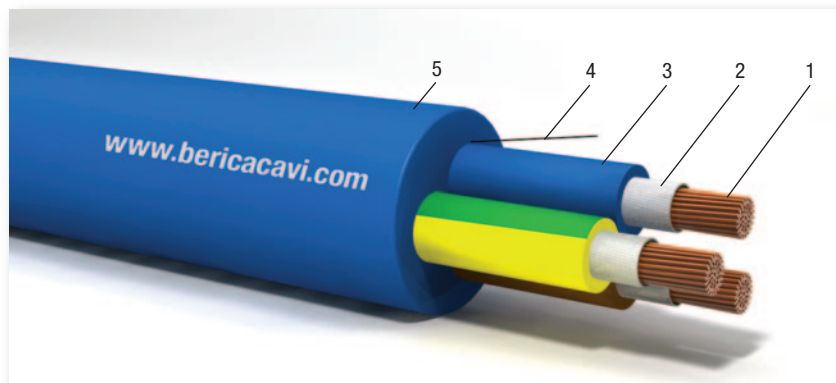


Power, control and signalling cables, fire resistant, fire retardant, halogen free.



1. Conductor
2. Flame protection
3. Insulation
4. Identification thread
5. Sheath



n. CA01.00357

**APPLICATION:** Suitable for the transport of energy and the transmission of electrical signals and commands when you need maximum security against fire, such as emergency lighting and alarm systems, automatic fire detection, fire-fighting devices, automatic door opening, ventilation systems and air conditioning systems, emergency telephone.

**INSTALLATION:** For fixed indoor and outdoor installation even in wet environments. They can be installed on walls and metal structures, on platforms, pipes, conduits and similar systems. Cable for direct or indirect burial.

**VERSIONS:** Braid of annealed tinned or red copper shield. Steel wire, tape or braid armour.

| FEATURES                           | DESCRIPTION                                                                                                        | STANDARDS                          |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Conductors :                       | annealed red copper Cl.5                                                                                           | CEI EN 60228 (Tab. 9)              |
| Flame protection :                 | mica-glass tape, thickness >0,10 mm                                                                                |                                    |
| Insulation :                       | LSZH compound, G10 quality                                                                                         | CEI EN 50363                       |
| Cores colour :                     |                                                                                                                    | CEI UNEL 00722 - HD 308            |
| Identification thread :            | C type                                                                                                             |                                    |
| Sheath :                           | LSZH compound, M1 quality                                                                                          | CEI EN 50363                       |
| Sheath colour :                    | blue RAL 5015                                                                                                      |                                    |
| Fire retardant :                   |                                                                                                                    | CEI EN 60332-3-24                  |
| Flame retardant :                  |                                                                                                                    | CEI EN 60332-1-2                   |
| Halogen free :                     | (< 0,5 mg/g - 0,5%)                                                                                                | CEI EN 50267-2-1/2 - IEC 60754-1/2 |
| Low toxic gases emission :         | (toxicity index < 2%)                                                                                              | CEI 20-37/4-0                      |
| Low smoke emission :               | (transmittance > 60%)                                                                                              | CEI EN 61034-2                     |
| Fire resistant :                   | duration 90 min. at temperature of 830 °C. (- 0 ÷ + 40 °C)                                                         | CEI EN 50200 per Ø ≤ 20 mm         |
| Fire resistant :                   | duration 120 min. at temperature of 830 °C. (- 0 ÷ + 40 °C)                                                        | CEI EN 50362 per Ø > 20 mm         |
| DC resistance :                    | according to                                                                                                       | CEI EN 60228 (Tab. 9)              |
| Current capacity :                 |                                                                                                                    | CEI UNEL 35024/1 - CEI UNEL 35026  |
| Rated voltage U <sub>0</sub> /U:   | 0,6/1 kV                                                                                                           |                                    |
| Max voltage :                      | 1,2 kV                                                                                                             |                                    |
| Testing voltage :                  | 4 kV                                                                                                               |                                    |
| Max working temperature :          | 90 °C                                                                                                              |                                    |
| Short-circuit temperature :        | 250 °C                                                                                                             |                                    |
| Min. installation temperature :    | 0 °C                                                                                                               |                                    |
| Bending radius :                   | Ø x 14                                                                                                             |                                    |
| Max standard twisting (2x cable) : | ≥ 10 twist/meter                                                                                                   |                                    |
| Printing for Ø ≤ 20 mm:            | BERICA CAVI S.P.A. ITALY FTG100M1 0,6/1 kV CEI 20-22 III cat. C CEI 20-45 PH (90) CE IEMMEQU Year/Lot Type 00000 m |                                    |
| Printing for Ø > 20 mm:            | BERICA CAVI S.P.A. ITALY FTG100M1 0,6/1 kV CEI 20-22 III cat. C CEI 20-45 F2 CE IEMMEQU Year/Lot Type 00000 m      |                                    |

Power, control and signalling cables, fire resistant, fire retardant, halogen free.

| TYPE<br>N° x mm² | OUTER Ø MEDIUM<br>mm | MEDIUM WEIGHT<br>kg/km | PRODUCT CODE  | TYPE<br>N° x mm² | OUTER Ø MEDIUM<br>mm | MEDIUM WEIGHT<br>kg/km | PRODUCT CODE |
|------------------|----------------------|------------------------|---------------|------------------|----------------------|------------------------|--------------|
| 1x1,5            | 7,0                  | 68                     | B7901150IMQ   | 7G1,5            | 14,2                 | 315                    | B7907150     |
| 2x1,5            | 12,2                 | 191                    | B7902150IMQ   | 10G1,5           | 17,9                 | 420                    | B7910150     |
| 3G1,5            | 12,8                 | 217                    | B7903150IMQ   | 12G1,5           | 18,9                 | 492                    | B7912150     |
| 4G1,5            | 13,9                 | 243                    | B7904150IMQ   | 16G1,5           | 21,1                 | 596                    | B7916150     |
| 5G1,5            | 15,1                 | 298                    | B7905150IMQ   | 19G1,5           | 22,3                 | 693                    | B7919150     |
|                  |                      |                        |               | 24G1,5           | 25,6                 | 880                    | B7924150     |
| 1x2,5            | 7,5                  | 78                     | B7901250IMQ   | 36G1,5           | 30,5                 | 1230                   | B7936150     |
| 2x2,5            | 13,0                 | 224                    | B7902250IMQ   |                  |                      |                        |              |
| 3G2,5            | 13,9                 | 264                    | B7903250IMQ   | 7G2,5            | 15,8                 | 412                    | B7907250     |
| 4G2,5            | 14,9                 | 310                    | B7904250IMQ   | 10G2,5           | 19,9                 | 560                    | B7910250     |
| 5G2,5            | 16,3                 | 370                    | B7905250IMQ   | 12G2,5           | 21,1                 | 650                    | B7912250     |
|                  |                      |                        |               | 16G2,5           | 23,6                 | 820                    | B7916250     |
| 1x4              | 8,0                  | 96                     | B7901400IMQ   | 19G2,5           | 25,0                 | 930                    | B7919250     |
| 2x4              | 14,0                 | 274                    | B7902400IMQ   | 24G2,5           | 28,8                 | 1180                   | B7924250     |
| 3G4              | 15,0                 | 327                    | B7903400IMQ   | 36G2,5           | 34,2                 | 1810                   | B7936250     |
| 4G4              | 16,1                 | 380                    | B7904400IMQ   |                  |                      |                        |              |
| 5G4              | 17,6                 | 477                    | B7905400IMQ   |                  |                      |                        |              |
|                  |                      |                        |               |                  |                      |                        |              |
| 1x6              | 8,6                  | 121                    | B7901600IMQ   |                  |                      |                        |              |
| 2x6              | 15,2                 | 342                    | B7902600IMQ   |                  |                      |                        |              |
| 3G6              | 16,1                 | 412                    | B7903600IMQ   |                  |                      |                        |              |
| 4G6              | 17,6                 | 489                    | B7904600IMQ   |                  |                      |                        |              |
| 5G6              | 19,3                 | 612                    | B7905600IMQ   |                  |                      |                        |              |
|                  |                      |                        |               |                  |                      |                        |              |
| 1x10             | 9,9                  | 182                    | B79011000IMQ  |                  |                      |                        |              |
| 2x10             | 17,8                 | 496                    | B79021000IMQ  |                  |                      |                        |              |
| 3G10             | 18,9                 | 614                    | B79031000IMQ  |                  |                      |                        |              |
| 4G10             | 20,7                 | 756                    | B79041000IMQ  |                  |                      |                        |              |
| 5G10             | 22,8                 | 935                    | B79051000IMQ  |                  |                      |                        |              |
|                  |                      |                        |               |                  |                      |                        |              |
| 1x16             | 11,0                 | 246                    | B79011600IMQ  |                  |                      |                        |              |
| 2x16             | 20,0                 | 673                    | B79021600IMQ  |                  |                      |                        |              |
| 3G16             | 21,2                 | 819                    | B79031600IMQ  |                  |                      |                        |              |
| 4G16             | 23,4                 | 1021                   | B79041600IMQ  |                  |                      |                        |              |
| 5G16             | 25,7                 | 1267                   | B79051600IMQ  |                  |                      |                        |              |
|                  |                      |                        |               |                  |                      |                        |              |
| 1x25             | 12,8                 | 353                    | B79012500IMQ  |                  |                      |                        |              |
| 2x25             | 23,6                 | 900                    | B79022500IMQ  |                  |                      |                        |              |
| 3G25             | 25,1                 | 1206                   | B79032500IMQ  |                  |                      |                        |              |
| 4G25             | 27,7                 | 1481                   | B79042500IMQ  |                  |                      |                        |              |
| 5G25             | 31,0                 | 1868                   | B79052500IMQ  |                  |                      |                        |              |
|                  |                      |                        |               |                  |                      |                        |              |
| 1x35             | 13,5                 | 457                    | B79013500IMQ  |                  |                      |                        |              |
| 1x50             | 15,5                 | 650                    | B79015000IMQ  |                  |                      |                        |              |
| 1x70             | 17,5                 | 806                    | B79017000IMQ  |                  |                      |                        |              |
| 1x95             | 20,1                 | 1062                   | B79019500IMQ  |                  |                      |                        |              |
| 1x120            | 22,6                 | 1342                   | B790112000IMQ |                  |                      |                        |              |
| 1x150            | 24,9                 | 1690                   | B790115000IMQ |                  |                      |                        |              |
| 1x185            | 27,7                 | 1930                   | B790118500IMQ |                  |                      |                        |              |
| 1x240            | 29,1                 | 2500                   | B790124000IMQ |                  |                      |                        |              |
|                  |                      |                        |               |                  |                      |                        |              |
|                  |                      |                        |               |                  |                      |                        |              |