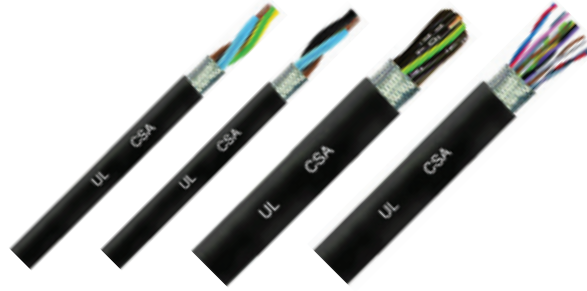


MP-TE MP-TK



PVC, UL 300 V, shielded

Description. Conductor insulation: special PVC, separation soft tape, tinned copper braid, min. coverage 85%, EMC 89/336/EC. Outer sheath: special PVC.

Application. Suitable for industrial application connection. It reduces EMI (Electromagnetic Interferences) noises up to 100 kHz caused by power lines and by inductive circuits such as electrovalves, motors, transformers, etc., see paragraph "Signal Transmission Noises" in the section "General Information". The cables with class 6 conductors have a good behaviour in mobile laying. Good resistance to common oils (UL 1581). Good flame resistance: (UL 1581). Limited resistance to abrasion.

Max working voltage: 300 V. **Test voltage:** 2000 V.

Note to table:

- (a) example: 3 = three wires; 2+1 = two wires + yellow/green earth; s = shielding.
- (b) colours: A = brown, blue, black, white, grey; yellow/green earth if present.
C = according to IEC 60304 (former DIN 47100), see section "General Information".
N = black with white numbers; yellow/green earth if present.
- (c) norms: UL = UL recognized (United States) / CSA = CSA recognized (Canada).

PVC, UL 300 V, con schermo

Descrizione. Isolante conduttori: PVC speciale, nastro morbido di separazione, schermo a treccia in rame stagnato, copertura minima 85%, EMC 89/336/CE. Guaina esterna: PVC speciale.

Impiego. Adatto per collegamenti in macchinari industriali. Riduce disturbi EMI (Interferenze Elettromagnetiche) fino a 100 kHz generati da linee di potenza e da circuiti induttivi come elettrovalvole, motori, trasformatori, ecc., v. paragrafo "Disturbi di Trasmissione Segnali" nella sezione "Informazioni Generali". I cavi con rame classe 6 sono anche progettati per l'uso in posa mobile. Buona resistenza agli oli comuni (UL 1581). Buona resistenza alla fiamma (UL 1581). Limitata resistenza all'abrasione.

Tensione massima di lavoro: 300 V. **Tensione di prova:** 2000 V.

Note alla tabella:

- (a) esempio: 3 = tre conduttori; 2+1 = due conduttori + terra giallo/verde; s = schermo.
- (b) colori: A = marrone, blu, nero, bianco, grigio; terra giallo/verde se presente.
C = secondo IEC 60304 (ex DIN 47100), vedere sezione "Informazioni Generali".
N = nero con numeri bianchi; terra giallo/verde se presente.
- (c) norme: UL = certificato UL (Stati Uniti) / CSA = certificato CSA (Canada).

| Formation Formazione | Descriptive code Codice descrittivo | Short code Codice breve | Refer. or style Rifer. o style | Sheath colour Colore guaina | Wires colour Colore cond. | Copper class Classe rame | Static application Applicazione statica | Dynamic application Applicazione dinamica | Note Nota | |
|-------------------------|--|----------------------------|-----------------------------------|--------------------------------|------------------------------|-----------------------------|--|--|-----------|--|
| n x mm ² (a) | | | (c) | RAL | (b) | IEC 60228 | °C | °C | | |
| MP-TE9 | | | | | | | | | | |
| 0,14 | [2x0,14]s | MP-TE91-02XA5 | 125 | 300V 80°C UL-CSA | bk 9005 | A | 6 | -25...+80 | -15...+80 | |
| | [3x0,14]s | MP-TE91-03XA5 | | 300V 80°C UL-CSA | bk 9005 | A | 6 | -25...+80 | -15...+80 | |
| 0,25 | [4x0,14]s | MP-TE91-04XA5 | 124 | 300V 80°C UL-CSA | bk 9005 | A | 6 | -25...+80 | -15...+80 | |
| | [5x0,14]s | MP-TE91-05XA5 | | 300V 80°C UL-CSA | bk 9005 | A | 6 | -25...+80 | -15...+80 | |
| | [2x0,25]s | MP-TE92-02XA5 | | 300V 80°C UL-CSA | bk 9005 | A | 6 | -25...+80 | -15...+80 | |
| | [3x0,25]s | MP-TE92-03XA5 | | 300V 80°C UL-CSA | bk 9005 | A | 6 | -25...+80 | -15...+80 | |
| | [4x0,25]s | MP-TE92-04XA5 | | 300V 80°C UL-CSA | bk 9005 | A | 6 | -25...+80 | -15...+80 | |
| | [5x0,25]s | MP-TE92-05XA5 | 257 | 300V 80°C UL-CSA | bk 9005 | A | 6 | -25...+80 | -15...+80 | |
| | [6x0,25]s | MP-TE92-06XC5 | | 300V 80°C UL-CSA | bk 9005 | C | 6 | -25...+80 | -15...+80 | |
| | [7x0,25]s | MP-TE92-07XC5 | | 300V 80°C UL-CSA | bk 9005 | C | 6 | -25...+80 | -15...+80 | |
| 0,34 | [8x0,25]s | MP-TE92-08XC5 | 278 | 300V 80°C UL-CSA | bk 9005 | C | 6 | -25...+80 | -15...+80 | |
| | [2x0,34]s | MP-TE93-02XA5 | | 300V 80°C UL-CSA | bk 9005 | A | 6 | -25...+80 | -15...+80 | |
| | [3x0,34]s | MP-TE93-03XA5 | 358 | 300V 80°C UL-CSA | bk 9005 | A | 6 | -25...+80 | -15...+80 | |
| | [4x0,34]s | MP-TE93-04XA5 | 374 | 300V 80°C UL-CSA | bk 9005 | A | 6 | -25...+80 | -15...+80 | |
| | [(4+1)x0,34]s | MP-TE93-05GA5 | 356 | 300V 80°C UL-CSA | bk 9005 | A | 6 | -25...+80 | -15...+80 | |
| | [5x0,34]s | MP-TE93-05XA5 | 357 | 300V 80°C UL-CSA | bk 9005 | A | 6 | -25...+80 | -15...+80 | |
| | [6x0,34]s | MP-TE93-06XC5 | | 300V 80°C UL-CSA | bk 9005 | C | 6 | -25...+80 | -15...+80 | |
| | [7x0,34]s | MP-TE93-07XC5 | | 300V 80°C UL-CSA | bk 9005 | C | 6 | -25...+80 | -15...+80 | |
| | [8x0,34]s | MP-TE93-08XC5 | 3P3 | 300V 80°C UL-CSA | bk 9005 | C | 6 | -25...+80 | -15...+80 | |
| | MP-TK9 | | | | | | | | | |
| 0,25 | [10x0,25]s | MP-TK92-10XC5 | | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+80 | | |
| | [12x0,25]s | MP-TK92-12XC5 | 2P5 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+80 | | |
| | [14x0,25]s | MP-TK92-14XC5 | | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+80 | | |
| | [16x0,25]s | MP-TK92-16XC5 | | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+80 | | |
| | [18x0,25]s | MP-TK92-18XC5 | 2P8 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+80 | | |
| | [20x0,25]s | MP-TK92-20XC5 | | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+80 | | |
| | [25x0,25]s | MP-TK92-25XC5 | 2P0 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+80 | | |
| | [37x0,25]s | MP-TK92-37XC5 | | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+80 | | |
| | 0,34 | [10x0,34]s | MP-TK93-10XC5 | 3P4 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+80 | |
| | | [12x0,34]s | MP-TK93-12XC5 | 3P5 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+80 | |
| [14x0,34]s | | MP-TK93-14XC5 | 3P6 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+80 | | |
| [16x0,34]s | | MP-TK93-16XC5 | 3P7 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+80 | | |
| [18x0,34]s | | MP-TK93-18XC5 | 3P8 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+80 | | |
| [20x0,34]s | | MP-TK93-20XC5 | 3P9 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+80 | | |
| [25x0,34]s | | MP-TK93-25XC5 | 3P0 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+80 | | |
| [37x0,34]s | | MP-TK93-37XC5 | | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+80 | | |
| 0,50 | | [2x0,50]s | MP-TK94-02XA5 | 460 | 300V 80°C UL-CSA | bk 9005 | A | 5 | -25...+80 | |
| | | [(2+1)x0,50]s | MP-TK94-03GA5 | 461 | 300V 80°C UL-CSA | bk 9005 | A | 5 | -25...+80 | |
| | [3x0,50]s | MP-TK94-03XA5 | 462 | 300V 80°C UL-CSA | bk 9005 | A | 5 | -25...+80 | | |
| | [(3+1)x0,50]s | MP-TK94-04GA5 | 463 | 300V 80°C UL-CSA | bk 9005 | A | 5 | -25...+80 | | |
| | [4x0,50]s | MP-TK94-04XA5 | 464 | 300V 80°C UL-CSA | bk 9005 | A | 5 | -25...+80 | | |
| | [(4+1)x0,50]s | MP-TK94-05GA5 | 465 | 300V 80°C UL-CSA | bk 9005 | A | 5 | -25...+80 | | |
| | [5x0,50]s | MP-TK94-05XA5 | 466 | 300V 80°C UL-CSA | bk 9005 | A | 5 | -25...+80 | | |
| | [6x0,50]s | MP-TK94-06XC5 | 4P1 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+80 | | |
| | [(6+1)x0,50]s | MP-TK94-07GN5 | | 300V 80°C UL-CSA | bk 9005 | N | 5 | -25...+80 | | |
| | [7x0,50]s | MP-TK94-07XC5 | 4P2 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+80 | | |
| | [8x0,50]s | MP-TK94-08XC5 | 4P3 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+80 | | |
| | [(9+1)x0,50]s | MP-TK94-10GN5 | | 300V 80°C UL-CSA | bk 9005 | N | 5 | -25...+80 | | |
| | [10x0,50]s | MP-TK94-10XC5 | 4P4 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+80 | | |

| Formation Formazione | Descriptive code Codice descrittivo | Short code Codice breve | Refer. or style Rifer. o style | Sheath colour Colore guaina | Wires colour Colore cond. | Copper class Classe rame | Static application Applicazione statica | Dynamic application Applicazione dinamica | Note Nota | |
|-------------------------|--|----------------------------|-----------------------------------|--------------------------------|------------------------------|-----------------------------|--|--|-----------|--|
| n x mm ² (a) | | | (c) | RAL | (b) | IEC 60228 | °C | °C | | |
| 0,50 | [(11+1)x0,50]s | | 300V 80°C UL-CSA | bk 9005 | N | 5 | -25...+ 80 | | | |
| | [12x0,50]s | 4P5 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+ 80 | | | |
| | [14x0,50]s | | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+ 80 | | | |
| | [(15+1)x0,50]s | | 300V 80°C UL-CSA | bk 9005 | N | 5 | -25...+ 80 | | | |
| | [16x0,50]s | | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+ 80 | | | |
| | [(17+1)x0,50]s | | 300V 80°C UL-CSA | bk 9005 | N | 5 | -25...+ 80 | | | |
| | [18x0,50]s | 4P8 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+ 80 | | | |
| | [20x0,50]s | | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+ 80 | | | |
| | [25x0,50]s | 4P0 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+ 80 | | | |
| | [37x0,50]s | | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+ 80 | | | |
| | 0,75 | [2x0,75]s | 560 | 300V 80°C UL-CSA | bk 9005 | A | 5 | -25...+ 80 | | |
| | | [(2+1)x0,75]s | 561 | 300V 80°C UL-CSA | bk 9005 | A | 5 | -25...+ 80 | | |
| [3x0,75]s | | 562 | 300V 80°C UL-CSA | bk 9005 | A | 5 | -25...+ 80 | | | |
| [(3+1)x0,75]s | | 563 | 300V 80°C UL-CSA | bk 9005 | A | 5 | -25...+ 80 | | | |
| [4x0,75]s | | 564 | 300V 80°C UL-CSA | bk 9005 | A | 5 | -25...+ 80 | | | |
| [(4+1)x0,75]s | | 565 | 300V 80°C UL-CSA | bk 9005 | A | 5 | -25...+ 80 | | | |
| [5x0,75]s | | | 300V 80°C UL-CSA | bk 9005 | A | 5 | -25...+ 80 | | | |
| [6x0,75]s | | 5P1 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+ 80 | | | |
| [(6+1)x0,75]s | | | 300V 80°C UL-CSA | bk 9005 | N | 5 | -25...+ 80 | | | |
| [7x0,75]s | | 5P2 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+ 80 | | | |
| [8x0,75]s | | 5P3 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+ 80 | | | |
| [(9+1)x0,75]s | | | 300V 80°C UL-CSA | bk 9005 | N | 5 | -25...+ 80 | | | |
| [10x0,75]s | | 5P4 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+ 80 | | | |
| [(11+1)x0,75]s | | | 300V 80°C UL-CSA | bk 9005 | N | 5 | -25...+ 80 | | | |
| [12x0,75]s | | 5P5 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+ 80 | | | |
| [14x0,75]s | | 5P6 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+ 80 | | | |
| [(15+1)x0,75]s | | | 300V 80°C UL-CSA | bk 9005 | N | 5 | -25...+ 80 | | | |
| [16x0,75]s | | 5P7 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+ 80 | | | |
| [(17+1)x0,75]s | | | 300V 80°C UL-CSA | bk 9005 | N | 5 | -25...+ 80 | | | |
| [18x0,75]s | | 5P8 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+ 80 | | | |
| [20x0,75]s | | 5P9 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+ 80 | | | |
| 1,00 | | [2x1,00]s | 660 | 300V 80°C UL-CSA | bk 9005 | A | 5 | -25...+ 80 | | |
| | | [(2+1)x1,00]s | 661 | 300V 80°C UL-CSA | bk 9005 | A | 5 | -25...+ 80 | | |
| | | [3x1,00]s | 662 | 300V 80°C UL-CSA | bk 9005 | A | 5 | -25...+ 80 | | |
| | [(3+1)x1,00]s | 663 | 300V 80°C UL-CSA | bk 9005 | A | 5 | -25...+ 80 | | | |
| | [4x1,00]s | 664 | 300V 80°C UL-CSA | bk 9005 | A | 5 | -25...+ 80 | | | |
| | [(4+1)x1,00]s | 665 | 300V 80°C UL-CSA | bk 9005 | A | 5 | -25...+ 80 | | | |
| | [5x1,00]s | | 300V 80°C UL-CSA | bk 9005 | A | 5 | -25...+ 80 | | | |
| | [6x1,00]s | 6P1 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+ 80 | | | |
| | [(6+1)x1,00]s | | 300V 80°C UL-CSA | bk 9005 | N | 5 | -25...+ 80 | | | |
| | [7x1,00]s | 6P2 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+ 80 | | | |
| | [8x1,00]s | 6P3 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+ 80 | | | |
| | [(9+1)x1,00]s | | 300V 80°C UL-CSA | bk 9005 | N | 5 | -25...+ 80 | | | |
| | [10x1,00]s | 6P4 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+ 80 | | | |
| | [(11+1)x1,00]s | | 300V 80°C UL-CSA | bk 9005 | N | 5 | -25...+ 80 | | | |
| | [12x1,00]s | 6P5 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+ 80 | | | |
| | [14x1,00]s | 6P6 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+ 80 | | | |
| | [(15+1)x1,00]s | | 300V 80°C UL-CSA | bk 9005 | N | 5 | -25...+ 80 | | | |
| | [16x1,00]s | 6P7 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+ 80 | | | |
| | [(17+1)x1,00]s | | 300V 80°C UL-CSA | bk 9005 | N | 5 | -25...+ 80 | | | |
| | [18x1,00]s | 6P8 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+ 80 | | | |
| | [20x1,00]s | 6P9 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+ 80 | | | |
| | 1,50 | [2x1,50]s | | 300V 80°C UL-CSA | bk 9005 | A | 5 | -25...+ 80 | | |
| | | [(2+1)x1,50]s | | 300V 80°C UL-CSA | bk 9005 | A | 5 | -25...+ 80 | | |
| | | [3x1,50]s | | 300V 80°C UL-CSA | bk 9005 | A | 5 | -25...+ 80 | | |
| [(3+1)x1,50]s | | | 300V 80°C UL-CSA | bk 9005 | A | 5 | -25...+ 80 | | | |
| [4x1,50]s | | | 300V 80°C UL-CSA | bk 9005 | A | 5 | -25...+ 80 | | | |
| [(4+1)x1,50]s | | | 300V 80°C UL-CSA | bk 9005 | A | 5 | -25...+ 80 | | | |
| [5x1,50]s | | | 300V 80°C UL-CSA | bk 9005 | A | 5 | -25...+ 80 | | | |
| [6x1,50]s | | 7P1 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+ 80 | | | |
| [(6+1)x1,50]s | | | 300V 80°C UL-CSA | bk 9005 | N | 5 | -25...+ 80 | | | |
| [7x1,50]s | | 7P2 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+ 80 | | | |
| [8x1,50]s | | 7P3 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+ 80 | | | |
| [(9+1)x1,50]s | | | 300V 80°C UL-CSA | bk 9005 | N | 5 | -25...+ 80 | | | |
| [10x1,50]s | | 7P4 | 300V 80°C UL-CSA | bk 9005 | C | 5 | -25...+ 80 | | | |