

# MC-OE MC-OR MC-TE



## PUR, halogen free, UL 300 V

**Description.** Conductor insulation: halogen free polyolefin PP9Y. Sheath of matt halogen free polyether polyurethane (PUR).

**Application.** Completely halogen free cable, it does not emit halogens in case of fire; flame resistance degree: UL94 horizontal flame test. Very good resistance to common chemical agents and oils (UL 1581).

Abrasion resistance and excellent mobile laying behaviour (7 m/s<sup>2</sup>, 200 m/min).

**Max working voltage:** 300 V. **Test voltage:** 1500 V up to 0,25 mm<sup>2</sup>, 2000 V over.

**Note to table:**

- (a) example: 3 = three wires; 2+1 = two wires + yellow/green earth.
- (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).

## PUR, senza alogeni, UL 300 V

**Descrizione.** Isolante conduttori in poliolefina PP9Y senza alogeni. Guaina in poliuretano (PUR) polietero opaco senza alogeni.

**Impiego.** Cavo interamente senza alogeni, non emette sostanze corrosive in caso di incendio; grado di resistenza alla fiamma: UL94 test fiamma orizzontale. Ottima resistenza agli agenti chimici e agli idrocarburi comuni (UL 1581).

Ottimo comportamento in posa mobile (7 m/s<sup>2</sup>, 200 m/min) e resistenza all'abrasione.

**Tensione massima di lavoro:** 300 V. **Tensione di prova:** 1500 V fino a 0,25 mm<sup>2</sup>, 2000 V oltre.

**Note alla tabella:**

- (a) esempio: 3 = tre conduttori; 2+1 = due conduttori + terra giallo/verde.
- (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 <sup>2</sup> (a)			(c)	RAL	(b)	IEC 60228	°C	°C		
<b>MC-OE9</b>										
0,14	3x0,14	MC-OE91-03XA5	145	Lif9Y11Y	bk 9005	A	6	-40...+ 80	-30...+ 80	
<b>MC-OEG</b>										
0,14	3x0,14	MC-OEG1-03XA5	144	Lif9Y11Y	gy 7001	A	6	-40...+ 80	-30...+ 80	
<b>MC-OR9</b>										
0,14	2x0,14	MC-OR91-02XA5	167	Lif9Y11Y	bk 9005	A	6	-40...+ 80	-30...+ 80	
	3x0,14	MC-OR91-03XA5	165	Lif9Y11Y	bk 9005	A	6	-40...+ 80	-30...+ 80	
	4x0,14	MC-OR91-04XA5	168	Lif9Y11Y	bk 9005	A	6	-40...+ 80	-30...+ 80	
<b>MC-TE9</b>										
0,14	4x0,14	MC-TE91-04XA5	171	300V 80°C UL-CSA	bk 9005	A	6	-40...+ 80	-30...+ 80	
0,25	2x0,25	MC-TE92-02XC5	272	300V 80°C UL-CSA	bk 9005	C	6	-40...+ 80	-30...+ 80	
	3x0,25	MC-TE92-03XA5	273	300V 80°C UL-CSA	bk 9005	A	6	-40...+ 80	-30...+ 80	
	4x0,25	MC-TE92-04XA5	274	300V 80°C UL-CSA	bk 9005	A	6	-40...+ 80	-30...+ 80	
	5x0,25	MC-TE92-05XA5	275	300V 80°C UL-CSA	bk 9005	A	6	-40...+ 80	-30...+ 80	
	6x0,25	MC-TE92-06XC5		300V 80°C UL-CSA	bk 9005	C	6	-40...+ 80	-30...+ 80	
	7x0,25	MC-TE92-07XC5		300V 80°C UL-CSA	bk 9005	C	6	-40...+ 80	-30...+ 80	
	8x0,25	MC-TE92-08XC5	279	300V 80°C UL-CSA	bk 9005	C	6	-40...+ 80	-30...+ 80	
	10x0,25	MC-TE92-10XC5		300V 80°C UL-CSA	bk 9005	C	6	-40...+ 80	-30...+ 80	
	12x0,25	MC-TE92-12XC5	2C5	300V 80°C UL-CSA	bk 9005	C	6	-40...+ 80	-30...+ 80	
	14x0,25	MC-TE92-14XC5		300V 80°C UL-CSA	bk 9005	C	6	-40...+ 80	-30...+ 80	
	16x0,25	MC-TE92-16XC5		300V 80°C UL-CSA	bk 9005	C	6	-40...+ 80	-30...+ 80	
	18x0,25	MC-TE92-18XC5	2C8	300V 80°C UL-CSA	bk 9005	C	6	-40...+ 80	-30...+ 80	
	20x0,25	MC-TE92-20XC5		300V 80°C UL-CSA	bk 9005	C	6	-40...+ 80	-30...+ 80	
	25x0,25	MC-TE92-25XC5	2C0	300V 80°C UL-CSA	bk 9005	C	6	-40...+ 80	-30...+ 80	
	37x0,25	MC-TE92-37XC5		300V 80°C UL-CSA	bk 9005	C	6	-40...+ 80	-30...+ 80	
	0,34	2x0,34	MC-TE93-02XA5	372	300V 80°C UL-CSA	bk 9005	A	6	-40...+ 80	-30...+ 80
3x0,34		MC-TE93-03XA5	373	300V 80°C UL-CSA	bk 9005	A	6	-40...+ 80	-30...+ 80	
4x0,34		MC-TE93-04XA5	376	300V 80°C UL-CSA	bk 9005	A	6	-40...+ 80	-30...+ 80	
(4+1)x0,34		MC-TE93-05GA5	379	300V 80°C UL-CSA	bk 9005	A	6	-40...+ 80	-30...+ 80	
5x0,34		MC-TE93-05XA5	375	300V 80°C UL-CSA	bk 9005	A	6	-40...+ 80	-30...+ 80	
6x0,34		MC-TE93-06XC5	3C1	300V 80°C UL-CSA	bk 9005	C	6	-40...+ 80	-30...+ 80	
7x0,34		MC-TE93-07XC5	3C2	300V 80°C UL-CSA	bk 9005	C	6	-40...+ 80	-30...+ 80	
8x0,34		MC-TE93-08XC5	3C3	300V 80°C UL-CSA	bk 9005	C	6	-40...+ 80	-30...+ 80	
10x0,34		MC-TE93-10XC5	3C4	300V 80°C UL-CSA	bk 9005	C	6	-40...+ 80	-30...+ 80	
12x0,34		MC-TE93-12XC5	3C5	300V 80°C UL-CSA	bk 9005	C	6	-40...+ 80	-30...+ 80	
16x0,34		MC-TE93-16XC5	3C7	300V 80°C UL-CSA	bk 9005	C	6	-40...+ 80	-30...+ 80	
18x0,34		MC-TE93-18XC5	3C8	300V 80°C UL-CSA	bk 9005	C	6	-40...+ 80	-30...+ 80	
25x0,34		MC-TE93-25XC5	3C0	300V 80°C UL-CSA	bk 9005	C	6	-40...+ 80	-30...+ 80	
37x0,34		MC-TE93-37XC5		300V 80°C UL-CSA	bk 9005	C	6	-40...+ 80	-30...+ 80	
0,50		2x0,50	MC-TE94-02XA5	471	300V 80°C UL-CSA	bk 9005	A	6	-40...+ 80	-30...+ 80
		(2+1)x0,50	MC-TE94-03GA5	472	300V 80°C UL-CSA	bk 9005	A	6	-40...+ 80	-30...+ 80
	3x0,50	MC-TE94-03XA5	475	300V 80°C UL-CSA	bk 9005	A	6	-40...+ 80	-30...+ 80	
	(3+1)x0,50	MC-TE94-04GA5	476	300V 80°C UL-CSA	bk 9005	A	6	-40...+ 80	-30...+ 80	
	4x0,50	MC-TE94-04XA5	477	300V 80°C UL-CSA	bk 9005	A	6	-40...+ 80	-30...+ 80	
	(4+1)x0,50	MC-TE94-05GA5	478	300V 80°C UL-CSA	bk 9005	A	6	-40...+ 80	-30...+ 80	
	5x0,50	MC-TE94-05XA5	479	300V 80°C UL-CSA	bk 9005	A	6	-40...+ 80	-30...+ 80	
	6x0,50	MC-TE94-06XC5	4C1	300V 80°C UL-CSA	bk 9005	C	6	-40...+ 80	-30...+ 80	
	(6+1)x0,50	MC-TE94-07GN5		300V 80°C UL-CSA	bk 9005	N	6	-40...+ 80	-30...+ 80	
	7x0,50	MC-TE94-07XC5	4C2	300V 80°C UL-CSA	bk 9005	C	6	-40...+ 80	-30...+ 80	
8x0,50	MC-TE94-08XC5	4C3	300V 80°C UL-CSA	bk 9005	C	6	-40...+ 80	-30...+ 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 <sup>2</sup> (a)			(c)	RAL	(b)	IEC 60228	°C	°C		
0,50	(9+1)x0,50		300V 80°C UL-CSA	bk 9005	N	6	-40...+80	-30...+80		
	10x0,50	4C4	300V 80°C UL-CSA	bk 9005	C	6	-40...+80	-30...+80		
	(11+1)x0,50	418	300V 80°C UL-CSA	bk 9005	N	6	-40...+80	-30...+80		
	12x0,50		300V 80°C UL-CSA	bk 9005	C	6	-40...+80	-30...+80		
	14x0,50		300V 80°C UL-CSA	bk 9005	C	6	-40...+80	-30...+80		
	(15+1)x0,50		300V 80°C UL-CSA	bk 9005	N	6	-40...+80	-30...+80		
	16x0,50		300V 80°C UL-CSA	bk 9005	C	6	-40...+80	-30...+80		
	(17+1)x0,50	419	300V 80°C UL-CSA	bk 9005	N	6	-40...+80	-30...+80		
	18x0,50		300V 80°C UL-CSA	bk 9005	C	6	-40...+80	-30...+80		
	20x0,50		300V 80°C UL-CSA	bk 9005	C	6	-40...+80	-30...+80		
	25x0,50	420	300V 80°C UL-CSA	bk 9005	C	6	-40...+80	-30...+80		
	37x0,50		300V 80°C UL-CSA	bk 9005	C	6	-40...+80	-30...+80		
	0,75	2x0,75	540	300V 80°C UL-CSA	bk 9005	A	6	-40...+80	-30...+80	
		(2+1)x0,75	542	300V 80°C UL-CSA	bk 9005	A	6	-40...+80	-30...+80	
		3x0,75	543	300V 80°C UL-CSA	bk 9005	A	6	-40...+80	-30...+80	
		(3+1)x0,75	544	300V 80°C UL-CSA	bk 9005	A	6	-40...+80	-30...+80	
4x0,75		545	300V 80°C UL-CSA	bk 9005	A	6	-40...+80	-30...+80		
(4+1)x0,75		547	300V 80°C UL-CSA	bk 9005	A	6	-40...+80	-30...+80		
5x0,75		548	300V 80°C UL-CSA	bk 9005	A	6	-40...+80	-30...+80		
6x0,75		5C1	300V 80°C UL-CSA	bk 9005	C	6	-40...+80	-30...+80		
(6+1)x0,75			300V 80°C UL-CSA	bk 9005	N	6	-40...+80	-30...+80		
7x0,75		5C2	300V 80°C UL-CSA	bk 9005	C	6	-40...+80	-30...+80		
8x0,75		5C3	300V 80°C UL-CSA	bk 9005	C	6	-40...+80	-30...+80		
(9+1)x0,75			300V 80°C UL-CSA	bk 9005	N	6	-40...+80	-30...+80		
10x0,75		5C4	300V 80°C UL-CSA	bk 9005	C	6	-40...+80	-30...+80		
(11+1)x0,75			300V 80°C UL-CSA	bk 9005	N	6	-40...+80	-30...+80		
12x0,75		5C5	300V 80°C UL-CSA	bk 9005	C	6	-40...+80	-30...+80		
14x0,75		5C6	300V 80°C UL-CSA	bk 9005	C	6	-40...+80	-30...+80		
(15+1)x0,75		300V 80°C UL-CSA	bk 9005	N	6	-40...+80	-30...+80			
1,00	16x0,75	5C7	300V 80°C UL-CSA	bk 9005	C	6	-40...+80	-30...+80		
	(17+1)x0,75		300V 80°C UL-CSA	bk 9005	N	6	-40...+80	-30...+80		
	18x0,75	5C8	300V 80°C UL-CSA	bk 9005	C	6	-40...+80	-30...+80		
	20x0,75	5C9	300V 80°C UL-CSA	bk 9005	C	6	-40...+80	-30...+80		
	2x1,00	671	300V 80°C UL-CSA	bk 9005	A	6	-40...+80	-30...+80		
	(2+1)x1,00	672	300V 80°C UL-CSA	bk 9005	A	6	-40...+80	-30...+80		
	3x1,00	673	300V 80°C UL-CSA	bk 9005	A	6	-40...+80	-30...+80		
	(3+1)x1,00	674	300V 80°C UL-CSA	bk 9005	A	6	-40...+80	-30...+80		
	4x1,00	675	300V 80°C UL-CSA	bk 9005	A	6	-40...+80	-30...+80		
	(4+1)x1,00	676	300V 80°C UL-CSA	bk 9005	A	6	-40...+80	-30...+80		
	5x1,00	677	300V 80°C UL-CSA	bk 9005	A	6	-40...+80	-30...+80		
	6x1,00	669	300V 80°C UL-CSA	bk 9005	C	6	-40...+80	-30...+80		
	(6+1)x1,00		300V 80°C UL-CSA	bk 9005	N	6	-40...+80	-30...+80		
	7x1,00	6C2	300V 80°C UL-CSA	bk 9005	C	6	-40...+80	-30...+80		
	8x1,00	6C3	300V 80°C UL-CSA	bk 9005	C	6	-40...+80	-30...+80		
	(9+1)x1,00		300V 80°C UL-CSA	bk 9005	N	6	-40...+80	-30...+80		
1,50	10x1,00	6C4	300V 80°C UL-CSA	bk 9005	C	6	-40...+80	-30...+80		
	(11+1)x1,00		300V 80°C UL-CSA	bk 9005	N	6	-40...+80	-30...+80		
	12x1,00	6C5	300V 80°C UL-CSA	bk 9005	C	6	-40...+80	-30...+80		
	14x1,00	6C6	300V 80°C UL-CSA	bk 9005	C	6	-40...+80	-30...+80		
	(15+1)x1,00		300V 80°C UL-CSA	bk 9005	N	6	-40...+80	-30...+80		
	16x1,00	6C7	300V 80°C UL-CSA	bk 9005	C	6	-40...+80	-30...+80		
	(17+1)x1,00		300V 80°C UL-CSA	bk 9005	N	6	-40...+80	-30...+80		
	18x1,00	6C8	300V 80°C UL-CSA	bk 9005	C	6	-40...+80	-30...+80		
	20x1,00	6C9	300V 80°C UL-CSA	bk 9005	C	6	-40...+80	-30...+80		
	25x1,00	6C0	300V 80°C UL-CSA	bk 9005	C	6	-40...+80	-30...+80		
	2x1,50		300V 80°C UL-CSA	bk 9005	A	6	-40...+80	-30...+80		
	(2+1)x1,50		300V 80°C UL-CSA	bk 9005	A	6	-40...+80	-30...+80		
	3x1,50		300V 80°C UL-CSA	bk 9005	A	6	-40...+80	-30...+80		
	(3+1)x1,50		300V 80°C UL-CSA	bk 9005	A	6	-40...+80	-30...+80		
	4x1,50		300V 80°C UL-CSA	bk 9005	A	6	-40...+80	-30...+80		
	(4+1)x1,50		300V 80°C UL-CSA	bk 9005	A	6	-40...+80	-30...+80		
5x1,50		300V 80°C UL-CSA	bk 9005	A	6	-40...+80	-30...+80			
6x1,50	7C1	300V 80°C UL-CSA	bk 9005	C	6	-40...+80	-30...+80			
(6+1)x1,50		300V 80°C UL-CSA	bk 9005	N	6	-40...+80	-30...+80			
7x1,50	7C2	300V 80°C UL-CSA	bk 9005	C	6	-40...+80	-30...+80			
8x1,50	7C3	300V 80°C UL-CSA	bk 9005	C	6	-40...+80	-30...+80			
(9+1)x1,50		300V 80°C UL-CSA	bk 9005	N	6	-40...+80	-30...+80			
10x1,50	7C4	300V 80°C UL-CSA	bk 9005	C	6	-40...+80	-30...+80			