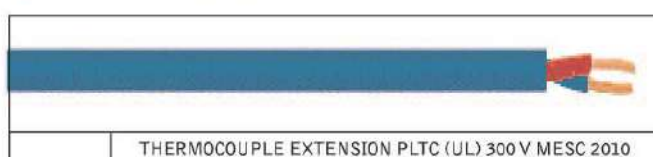


THERMOCOUPLE EXTENSION CABLE 300 VOLTS TYPE PLTC-90°C RATING UNSHIELDED

Specification: UL13



- Application** : These cables are used on circuits where shielding from external interference or other pairs is not required. Suitable for cable tray, conduit or direct burial application in dry or wet location.
- **Conductor** : Solid Alloy wire as per ANSI MC 96.1.
 - **Insulation** : Flame Retardant PVC rated 90°C as per UL13.
 - **Pair Twisting** : ANSI colour coded cores are twisted to counter electromagnetic noise.
 - **Assembly** : Twisted Pairs are cabled with non-hygroscopic fillers if necessary and the entire assembly is covered with a Polyester tape if required.
 - **Outer Jacket** : ANSI colour coded PVC rated 90°C as per UL 13. Jacket is oil and Sunlight resistant and passes IEEE-383 Flame Test.

COLOUR CODE AND LIMITS OF ERROR

ANSI Type	Positive Wire		Negative Wire		Jacket Colour	Temperature Range °C	Standard Error Limit. (±)
	Alloy	Colour	Alloy	Colour			
EX	Chromel	Purple	Constantan	Red	Purple	-18 to 204	2.22°C
JX	Iron	White	Constantan	Red	Black	-18 to 204	2.22°C
KX	Chromel	Yellow	Alumel	Red	Yellow	-18 to 204	2.22°C
TX	Copper	Blue	Constantan	Red	Blue	- 59 to 93	0.83°C

EX-TYPE

Size AWG	Order No.	MESC Code	Pairs	Conductor Diameter mm	Insulation Thickness mm	Nominal Jacket Thickness mm	Approx. O.D. mm	Approx. Weight Kg./Km
16	E1001	01E1-01P16A WG-U0PR8-03	1	1.29	0.38	0.89	6.4	55
	E1002	01E1-02P20A WG-U0PR8-03	2	0.81	0.38	1.01	8.4	66
	E1003	01E1-03P20A WG-U0PR8-03	3	0.81	0.38	1.01	9.0	83
	E1004	01E1-04P20A WG-U0PR8-03	4	0.81	0.38	1.01	9.7	101
	E1005	01E1-06P20A WG-U0PR8-03	6	0.81	0.38	1.27	11.7	150
	E1006	01E1-08P20A WG-U0PR8-03	8	0.81	0.38	1.27	12.3	182
	E1007	01E1-12P20A WG-U0PR8-03	12	0.81	0.38	1.27	14.4	251
20	E1008	01E1-16P20A WG-U0PR8-03	16	0.81	0.38	1.52	16.6	338
	E1009	01E1-20P20A WG-U0PR8-03	20	0.81	0.38	1.52	18.2	405
	E1010	01E1-24P20A WG-U0PR8-03	24	0.81	0.38	1.52	19.6	472
	E1011	01E1-32P20A WG-U0PR8-03	32	0.81	0.38	1.52	22.1	603
	E1012	01E1-36P20A WG-U0PR8-03	36	0.81	0.38	1.78	23.8	696
	E1013	01E1-40P20A WG-U0PR8-03	40	0.81	0.38	1.78	24.8	761
	E1014	01E1-50P20A WG-U0PR8-03	50	0.81	0.38	1.78	27.3	922

THERMOCOUPLE EXTENSION CABLE 300 VOLTS TYPE PLTC-90°C RATING UNSHIELDED

JX -TYPE

Size AWG	Size Size	MESC Code	Pairs	Conductor Diameter mm	Insulation Thickness mm	Nominal Jacket Thickness mm	Approx. O.D. mm	Approx. Weight Kg/Km
16	J1001	01J1-01P16A WG-U0BK8-03	1	1.29	0.38	0.89	6.4	54
	J1002	01J1-02P20A WG-U0BK8-03	2	0.81	0.38	1.01	8.4	65
	J1003	01J1-03P20A WG-U0BK8-03	3	0.81	0.38	1.01	9.0	82
	J1004	01J1-04P20A WG-U0BK8-03	4	0.81	0.38	1.01	9.7	99
	J1005	01J1-06P20A WG-U0BK8-03	6	0.81	0.38	1.27	11.7	148
	J1006	01J1-08P20A WG-U0BK8-03	8	0.81	0.38	1.27	12.3	178
20	J1007	01J1-12P20A WG-U0BK8-03	12	0.81	0.38	1.27	14.4	246
	J1008	01J1-16P20A WG-U0BK8-03	16	0.81	0.38	1.52	16.6	331
	J1009	01J1-20P20A WG-U0BK8-03	20	0.81	0.38	1.52	18.2	397
	J1010	01J1-24P20A WG-U0BK8-03	24	0.81	0.38	1.52	19.6	461
	J1011	01J1-32P20A WG-U0BK8-03	32	0.81	0.38	1.52	22.1	588
	J1012	01J1-36P20A WG-U0BK8-03	36	0.81	0.38	1.78	23.8	680
	J1013	01J1-40P20A WG-U0BK8-03	40	0.81	0.38	1.78	24.8	743
	J1014	01J1-50P20A WG-U0BK8-03	50	0.81	0.38	1.78	27.3	900

KX -TYPE

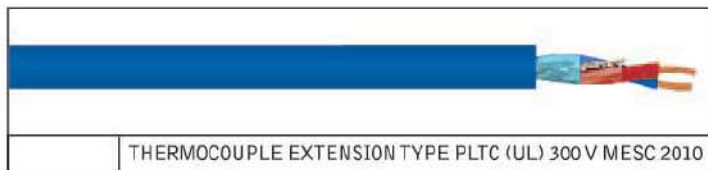
Size AWG	Order No.	MESC Code	Pairs	Conductor Diameter mm	Insulation Thickness mm	Nominal Jacket Thickness mm	Approx. O.D. mm	Approx. Weight Kg/Km
16	K1001	01K1-01P16A WG-U0YL8-03	1	1.29	0.38	0.89	6.4	55
	K1002	01K1-02P20A WG-U0YL8-03	2	0.81	0.38	1.01	8.4	65
	K1003	01K1-03P20A WG-U0YL8-03	3	0.81	0.38	1.01	9.0	83
	K1004	01K1-04P20A WG-U0YL8-03	4	0.81	0.38	1.01	9.7	100
	K1005	01K1-06P20A WG-U0YL8-03	6	0.81	0.38	1.27	11.7	149
	K1006	01K1-08P20A WG-U0YL8-03	8	0.81	0.38	1.27	12.3	181
20	K1007	01K1-12P20A WG-U0YL8-03	12	0.81	0.38	1.27	14.4	249
	K1008	01K1-16P20A WG-U0YL8-03	16	0.81	0.38	1.52	16.6	335
	K1009	01K1-20P20A WG-U0YL8-03	20	0.81	0.38	1.52	18.2	402
	K1010	01K1-24P20A WG-U0YL8-03	24	0.81	0.38	1.52	19.6	468
	K1011	01K1-32P20A WG-U0YL8-03	32	0.81	0.38	1.52	22.1	598
	K1012	01K1-36P20A WG-U0YL8-03	36	0.81	0.38	1.78	23.8	690
	K1013	01K1-40P20A WG-U0YL8-03	40	0.81	0.38	1.78	24.8	755
	K1014	01K1-50P20A WG-U0YL8-03	50	0.81	0.38	1.78	27.3	915

TX -TYPE

Size AWG	Order No.	MESC Code	Pairs	Conductor Diameter mm	Insulation Thickness mm	Nominal Jacket Thickness mm	Approx. O.D. mm	Approx. Weight Kg/Km
16	T1001	01T1-01P16A WG-U0BL8-03	1	1.29	0.38	0.89	6.4	55
	T1002	01T1-02P20A WG-U0BL8-03	2	0.81	0.38	1.01	8.4	66
	T1003	01T1-03P20A WG-U0BL8-03	3	0.81	0.38	1.01	9.0	84
	T1004	01T1-04P20A WG-U0BL8-03	4	0.81	0.38	1.01	9.7	101
	T1005	01T1-06P20A WG-U0BL8-03	6	0.81	0.38	1.27	11.7	151
	T1006	01T1-08P20A WG-U0BL8-03	8	0.81	0.38	1.27	12.3	183
	T1007	01T1-12P20A WG-U0BL8-03	12	0.81	0.38	1.27	14.4	253
20	T1008	01T1-16P20A WG-U0BL8-03	16	0.81	0.38	1.52	16.6	339
	T1009	01T1-20P20A WG-U0BL8-03	20	0.81	0.38	1.52	18.2	408
	T1010	01T1-24P20A WG-U0BL8-03	24	0.81	0.38	1.52	19.6	474
	T1011	01T1-32P20A WG-U0BL8-03	32	0.81	0.38	1.52	22.1	606
	T1012	01T1-36P20A WG-U0BL8-03	36	0.81	0.38	1.78	23.8	700
	T1013	01T1-40P20A WG-U0BL8-03	40	0.81	0.38	1.78	24.8	765
	T1014	01T1-50P20A WG-U0BL8-03	50	0.81	0.38	1.78	27.3	928

THERMOCOUPLE EXTENSION CABLE 300 VOLTS TYPE PLTC-90C RATING OVERALL SHIELDED

Specification: UL13



- Application** : These cables are used on circuits where shielding from external interference or other pairs is not required. Suitable for cable tray, conduit or direct burial application in dry or wet location.
- **Conductor** : Solid Alloy wire as per ANSI MC 96.1.
 - **Insulation** : Flame Retardant PVC rated 90°C as per UL13.
 - **Pair Twisting** : ANSI colour coded cores are twisted to counter electromagnetic noise.
 - **Overall Shielding** : Twisted pairs are cabled with non-hygroscopic fillers if necessary and the entire assembly is shielded with aluminium polyester tape and a tinned copper drain wire.
 - **Jacket** : ANSI colour coded PVC rated 90°C as per UL 13. Jacket is oil and Sunlight resistant and passes IEEE-383 Flame Test.

COLOUR CODE AND LIMITS OF ERROR

ANSI Type	Positive Wire		Negative Wire		Jacket Colour	Temperature Range °C	Standard Error Limit. (±)
	Alloy	Colour	Alloy	Colour			
EX	Chromel	Purple	Constantan	Red	Purple	-18 to 204	2.22°C
JX	Iron	White	Constantan	Red	Black	-18 to 204	2.22°C
KX	Chromel	Yellow	Alumel	Red	Yellow	-18 to 204	2.22°C
TX	Copper	Blue	Constantan	Red	Blue	- 59 to 93	0.83°C

EX- TYPE

Size AWG	Order No.	MESC Code	Pairs	Conductor Diameter mm	Insulation Thickness mm	Nominal Jacket Thickness mm	Approx. O.D. mm	Approx. Weight Kg./Km
16	E2001	02E1-01P16A WG-U0PR8-03	1	1.29	0.38	0.89	6.5	62
	E2002	02E1-02P20A WG-U0PR8-03	2	0.81	0.38	1.01	8.5	74
	E2003	02E1-03P20A WG-U0PR8-03	3	0.81	0.38	1.01	9.4	91
	E2004	02E1-04P20A WG-U0PR8-03	4	0.81	0.38	1.01	9.8	109
	E2005	02E1-06P20A WG-U0PR8-03	6	0.81	0.38	1.27	11.8	160
	E2006	02E1-08P20A WG-U0PR8-03	8	0.81	0.38	1.27	12.4	192
20	E1007	02E1-12P20A WG-U0PR8-03	12	0.81	0.38	1.27	14.5	262
	E2008	02E1-16P20A WG-U0PR8-03	16	0.81	0.38	1.52	16.7	338
	E2009	02E1-20P20A WG-U0PR8-03	20	0.81	0.38	1.52	18.3	349
	E2010	02E1-24P20A WG-U0PR8-03	24	0.81	0.38	1.52	19.7	418
	E2011	02E1-32P20A WG-U0PR8-03	32	0.81	0.38	1.52	22.2	485
	E2012	02E1-36P20A WG-U0PR8-03	36	0.81	0.38	1.78	23.9	617
	E2013	02E1-40P20A WG-U0PR8-03	40	0.81	0.38	1.78	24.9	711
	E2014	02E1-50P20A WG-U0PR8-03	50	0.81	0.38	1.78	27.7	939



THERMOCOUPLE EXTENSION CABLE
300 VOLTS TYPE PLTC-90° C RATING
OVERALL SHIELDED

JX -TYPE

Size AWG	Order No.	MESC Code	Pairs	Conductor Diameter mm	Insulation Thickness mm	Nominal Jacket Thickness mm	Approx. O.D. mm	Approx. Weight Kg./Km
16	J2001	02J1-01P16A WG-U0BK8-03	1	1.29	0.38	0.89	6.5	61
	J2002	02J1-02P20A WG-U0BK8-03	2	0.81	0.38	1.01	8.5	73
	J2003	02J1-03P20A WG-U0BK8-03	3	0.81	0.38	1.01	9.1	90
	J2004	02J1-04P20A WG-U0BK8-03	4	0.81	0.38	1.01	9.8	107
	J2005	02J1-06P20A WG-U0BK8-03	6	0.81	0.38	1.27	11.8	157
	J2006	02J1-08P20A WG-U0BK8-03	8	0.81	0.38	1.27	12.4	188
20	J2007	02J1-12P20A WG-U0BK8-03	12	0.81	0.38	1.27	14.5	257
	J2008	02J1-16P20A WG-U0BK8-03	16	0.81	0.38	1.52	16.7	342
	J2009	02J1-20P20A WG-U0BK8-03	20	0.81	0.38	1.52	18.3	409
	J2010	02J1-24P20A WG-U0BK8-03	24	0.81	0.38	1.52	19.7	474
	J2011	02J1-32P20A WG-U0BK8-03	32	0.81	0.38	1.52	22.2	603
	J2012	02J1-36P20A WG-U0BK8-03	36	0.81	0.38	1.78	23.9	695
	J2013	02J1-40P20A WG-U0BK8-03	40	0.81	0.38	1.78	24.9	759
	J2014	02J1-50P20A WG-U0BK8-03	50	0.81	0.38	1.78	27.4	917

KX -TYPE

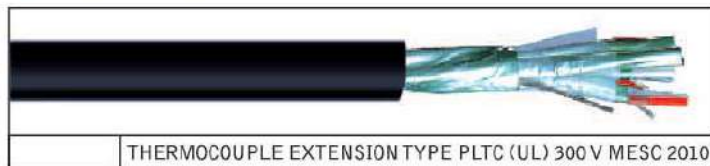
Size AWG	Order No.	MESC Code	Pairs	Conductor Diameter mm	Insulation Thickness mm	Nominal Jacket Thickness mm	Approx. O.D. mm	Approx. Weight Kg./Km
16	K2001	02K1-01P16A WG-U0YL8-03	1	1.29	0.38	0.89	6.5	62
	K2002	02K1-02P20A WG-U0YL8-03	2	0.81	0.38	1.01	8.5	73
	K2003	02K1-03P20A WG-U0YL8-03	3	0.81	0.38	1.01	9.1	91
	K2004	02K1-04P20A WG-U0YL8-03	4	0.81	0.38	1.01	9.8	109
	K2005	02K1-06P20A WG-U0YL8-03	6	0.81	0.38	1.27	11.8	159
	K2006	02K1-08P20A WG-U0YL8-03	8	0.81	0.38	1.27	12.4	190
20	K2007	02K1-12P20A WG-U0YL8-03	12	0.81	0.38	1.27	14.5	260
	K2008	02K1-16P20A WG-U0YL8-03	16	0.81	0.38	1.52	16.7	347
	K2009	02K1-20P20A WG-U0YL8-03	20	0.81	0.38	1.52	18.3	415
	K2010	02K1-24P20A WG-U0YL8-03	24	0.81	0.38	1.52	19.7	481
	K2011	02K1-32P20A WG-U0YL8-03	32	0.81	0.38	1.52	22.2	612
	K2012	02K1-36P20A WG-U0YL8-03	36	0.81	0.38	1.78	23.9	705
	K2013	02K1-40P20A WG-U0YL8-03	40	0.81	0.38	1.78	24.9	770
	K2014	02K1-50P20A WG-U0YL8-03	50	0.81	0.38	1.78	27.4	931

TX -TYPE

Size AWG	Order No.	MESC Code	Pairs	Conductor Diameter mm	Insulation Thickness mm	Nominal Jacket Thickness mm	Approx. O.D. mm	Approx. Weight Kg./Km
16	T2001	02T1-01P16A WG-U0BL8-03	1	1.29	0.38	0.89	6.5	62
	T2002	02T1-02P20A WG-U0BL8-03	2	0.81	0.38	1.01	8.5	74
	T2003	02T1-03P20A WG-U0BL8-03	3	0.81	0.38	1.01	9.1	92
	T2004	02T1-04P20A WG-U0BL8-03	4	0.81	0.38	1.01	9.8	110
	T2005	02T1-06P20A WG-U0BL8-03	6	0.81	0.38	1.27	11.8	160
	T2006	02T1-08P20A WG-U0BL8-03	8	0.81	0.38	1.27	12.4	192
20	T2007	02T1-12P20A WG-U0BL8-03	12	0.81	0.38	1.27	14.5	263
	T2008	02T1-16P20A WG-U0BL8-03	16	0.81	0.38	1.52	16.7	351
	T2009	02T1-20P20A WG-U0BL8-03	20	0.81	0.38	1.52	18.3	420
	T2010	02T1-24P20A WG-U0BL8-03	24	0.81	0.38	1.52	19.7	488
	T2011	02T1-32P20A WG-U0BL8-03	32	0.81	0.38	1.52	22.2	620
	T2012	02T1-36P20A WG-U0BL8-03	36	0.81	0.38	1.78	23.9	715
	T2013	02T1-40P20A WG-U0BL8-03	40	0.81	0.38	1.78	24.9	781
	T2014	02T1-50P20A WG-U0BL8-03	50	0.81	0.38	1.78	27.4	944

THERMOCOUPLE EXTENSION CABLE 300 VOLTS TYPE PLTC-90°C RATING PAIR & OVERALL SHIELDED

Specification: UL13



- Application** : These cables are used on circuits where shielding from external interference or other pairs is not required. Suitable for cable tray, conduit or direct burial application in dry or wet location.
- **Conductor** : Solid Alloy wire as per ANSI MC 96.1.
 - **Insulation** : Flame Retardant PVC rated 90°C as per UL13.
 - **Pair Twisting** : ANSI colour coded cores are twisted to counter electromagnetic noise.
 - **Pair Overall Shielding** : Each pair is shielded with aluminium polyester tape & a tinned copper drain wire, for maximum electrostatic noise and crosstalk rejection. All pair shields are electrically isolated from each other. Individually shielded pairs are cabled with non hygroscopic fillers if necessary and the entire assembly is shielded with aluminium polyester tape and a tinned copper drain wire.
 - **Jacket** : ANSI colour coded PVC rated 90°C as per UL 13. Jacket is oil and Sunlight resistant and passes IEEE-383 Flame Test.

COLOUR CODE AND LIMITS OF ERROR

ANSI Type	Positive Wire		Negative Wire		Jacket Colour	Temperature Range °C	Standard Error Limit. (±)
	Alloy	Colour	Alloy	Colour			
EX	Chromel	Purple	Constantan	Red	Purple	-18 to 204	2.22°C
JX	Iron	White	Constantan	Red	Black	-18 to 204	2.22°C
KX	Chromel	Yellow	Alumel	Red	Yellow	-18 to 204	2.22°C
TX	Copper	Blue	Constantan	Red	Blue	- 59 to 93	0.83°C

EX -TYPE

Size AWG	Order No.	MESC Code	Pairs	Conductor Diameter mm	Insulation Thickness mm	Nominal Jacket Thickness mm	Approx. O.D. mm	Approx. Weight Kg./Km
16	E4001	04E1-01P16A WG-U0PR8-03	1	0.81	0.38	1.01	9.5	89
	E4002	04E1-02P20A WG-U0PR8-03	2	0.81	0.38	1.01	9.7	113
	E4003	04E1-03P20A WG-U0PR8-03	3	0.81	0.38	1.27	11.0	150
	E4004	04E1-04P20A WG-U0PR8-03	4	0.81	0.38	1.27	12.6	201
	E4005	04E1-06P20A WG-U0PR8-03	6	0.81	0.38	1.27	13.2	246
	E4006	04E1-08P20A WG-U0PR8-03	8	0.81	0.38	1.52	16.0	360
	E4007	04E1-12P20A WG-U0PR8-03	12	0.81	0.38	1.52	17.9	456
20	E4008	04E1-16P20A WG-U0PR8-03	16	0.81	0.38	1.52	19.6	550
	E4009	04E1-20P20A WG-U0PR8-03	20	0.81	0.38	1.52	21.2	642
	E4010	04E1-24P20A WG-U0PR8-03	24	0.81	0.38	1.78	24.4	854
	E4011	04E1-32P20A WG-U0PR8-03	32	0.81	0.38	1.78	25.7	946
	E4012	04E1-36P20A WG-U0PR8-03	36	0.81	0.38	1.78	26.8	1037
	E4013	04E1-40P20A WG-U0PR8-03	40	0.81	0.38	1.78	29.5	1262

THERMOCOUPLE EXTENSION CABLE
300 VOLT TYPE PLTC-90°C RATING
PAIR & OVERALL SHIELDED

JX -TYPE

Size AWG	Order No.	MESC Code	Pairs	Conductor Diameter mm	Insulation Thickness mm	Nominal Jacket Thickness mm	Approx. O.D. mm	Approx. Weight Kg./Km
20	J4001	04J1-02P20A WG-U0BK8-03	2	0.81	0.38	1.01	9.0	88
	J4002	04J1-03P20A WG-U0BK8-03	3	0.81	0.38	1.01	9.7	112
	J4003	04J1-04P20A WG-U0BK8-03	4	0.81	0.38	1.27	11.0	148
	J4004	04J1-06P20A WG-U0BK8-03	6	0.81	0.38	1.27	12.6	199
	J4005	04J1-08P20A WG-U0BK8-03	8	0.81	0.38	1.27	13.2	242
	J4006	04J1-12P20A WG-U0BK8-03	12	0.81	0.38	1.52	16.0	355
	J4007	04J1-16P20A WG-U0BK8-03	16	0.81	0.38	1.52	17.9	449
	J4008	04J1-20P20A WG-U0BK8-03	20	0.81	0.38	1.52	19.6	541
	J4009	04J1-24P20A WG-U0BK8-03	24	0.81	0.38	1.52	21.2	632
	J4010	04J1-32P20A WG-U0BK8-03	32	0.81	0.38	1.78	24.4	840
	J4011	04J1-36P20A WG-U0BK8-03	36	0.81	0.38	1.78	25.7	930
	J4012	04J1-40P20A WG-U0BK8-03	40	0.81	0.38	1.78	26.8	1019
	J4013	04J1-50P20A WG-U0BK8-03	50	0.81	0.38	1.78	29.5	1240

KX -TYPE

Size AWG	Order No.	MESC Code	Pairs	Conductor Diameter mm	Insulation Thickness mm	Nominal Jacket Thickness mm	Approx. O.D. mm	Approx. Weight Kg./Km
20	K4001	04K1-02P20A WG-U0YL8-03	2	0.81	0.38	1.01	9.0	89
	K4002	04K1-03P20A WG-U0YL8-03	3	0.81	0.38	1.01	9.7	113
	K4003	04K1-04P20A WG-U0YL8-03	4	0.81	0.38	1.27	11.0	150
	K4004	04K1-06P20A WG-U0YL8-03	6	0.81	0.38	1.27	12.6	200
	K4005	04K1-08P20A WG-U0YL8-03	8	0.81	0.38	1.27	13.2	245
	K4006	04K1-12P20A WG-U0YL8-03	12	0.81	0.38	1.52	16.0	359
	K4007	04K1-16P20A WG-U0YL8-03	16	0.81	0.38	1.52	17.9	454
	K4008	04K1-20P20A WG-U0YL8-03	20	0.81	0.38	1.52	19.6	547
	K4009	04K1-24P20A WG-U0YL8-03	24	0.81	0.38	1.52	21.2	639
	K4010	04K1-32P20A WG-U0YL8-03	32	0.81	0.38	1.78	24.4	849
	K4011	04K1-36P20A WG-U0YL8-03	36	0.81	0.38	1.78	25.7	940
	K4012	04K1-40P20A WG-U0YL8-03	40	0.81	0.38	1.78	26.8	1030
	K4013	04K1-50P20A WG-U0YL8-03	50	0.81	0.38	1.78	29.5	1254

TX -TYPE

Size AWG	Order No.	MESC Code	Pairs	Conductor Diameter mm	Insulation Thickness mm	Nominal Jacket Thickness mm	Approx. O.D. mm	Approx. Weight Kg./Km
20	T4001	04T1-02P20A WG-U0BL8-03	2	0.81	0.38	1.01	9.0	89
	T4002	04T1-03P20A WG-U0BL8-03	3	0.81	0.38	1.01	9.7	113
	T4003	04T1-04P20A WG-U0BL8-03	4	0.81	0.38	1.27	11.0	151
	T4004	04T1-06P20A WG-U0BL8-03	6	0.81	0.38	1.27	12.6	202
	T4005	04T1-08P20A WG-U0BL8-03	8	0.81	0.38	1.27	13.2	247
	T4006	04T1-12P20A WG-U0BL8-03	12	0.81	0.38	1.52	16.0	362
	T4007	04T1-16P20A WG-U0BL8-03	16	0.81	0.38	1.52	17.9	458
	T4008	04T1-20P20A WG-U0BL8-03	20	0.81	0.38	1.52	19.6	552
	T4009	04T1-24P20A WG-U0BL8-03	24	0.81	0.38	1.52	21.2	645
	T4010	04T1-32P20A WG-U0BL8-03	32	0.81	0.38	1.78	24.4	857
	T4011	04T1-36P20A WG-U0BL8-03	36	0.81	0.38	1.78	25.7	949
	T4012	04T1-40P20A WG-U0BL8-03	40	0.81	0.38	1.78	26.8	1041
	T4013	04T1-50P20A WG-U0BL8-03	50	0.81	0.38	1.78	29.5	1267

THERMOCOUPLE EXTENSION CABLE 300 VOLTS TYPE PLTC-90°C RATING WIRE ARMoured, OVERALL SHIELDED

Specification: UL13



Application:

These cables are used on circuits where shielding from external interference is required, but shielding between pairs is not critical. Suitable for cable tray, conduit or direct burial application in dry or wet location. The wire armour provides longitudinal strength for use as a messenger cable or for support in vertical drops (NEC SECTION 300-19) and provides protection against mechanical damage.

- **Conductor :** Solid alloy wire as per ANSI MC 96.1
- **Insulation :** Flame Retardant PVC rated 90°C as per UL13.
- **Pair Twisting :** ANSI colour coded cores are twisted to counter electromagnetic noise.
- **Overall Shielding :** Twisted pairs are cabled with non-hygroscopic fillers if necessary and the entire assembly is shielded with aluminium polyester tape and a tinned copper drain wire.
- **Inner Jacket :** ANSI colour coded flame retardant PVC rated 90°C as per UL13.
- **Wire Armour :** A serving of soft round galvanized steel wires is applied with 90% minimum coverage.
- **Outer Jacket :** ANSI color coded PVC rated 90°C as per UL13. Jacket is oil and sunlight resistant and passes IEEE 383 flame test.

COLOUR CODE AND LIMITS OF ERROR

ANSI Type	Positive Wire		Negative Wire		Jacket Colour	Temperature Range °C	Standard Error Limit. (±)
	Alloy	Colour	Alloy	Colour			
EX	Chromel	Purple	Constantan	Red	Purple	-18 to 204	2.22°C
JX	Iron	White	Constantan	Red	Black	-18 to 204	2.22°C
KX	Chromel	Yellow	Alumel	Red	Yellow	-18 to 204	2.22°C
TX	Copper	Blue	Constantan	Red	Blue	- 59 to 93	0.83°C

EX -TYPE

Size AWG	Order No.	MESC Code	Pairs	Conductor Diameter mm	Insulation Thickness mm	Inn. Jkt. Thickness mm	Dia.Over Inn. Jkt. mm	Arm. Wire Dia. mm	Dia.Over Armour mm	Outer Jkt Thickness mm	Approx. O. D. mm	Approx. Weight Kg/Km	
16	E2015	02E1-01P16A	WG-WOPR8-03	1	1.29	0.38	0.89	6.5	0.9	8.3	1.27	11.0	253
	E2016	02E1-02P20A	WG-WOPR8-03	2	0.81	0.38	1.01	8.5	0.9	10.3	1.27	12.9	316
	E2017	02E1-03P20A	WG-WOPR8-03	3	0.81	0.38	1.01	9.1	0.9	10.9	1.27	13.6	349
	E2018	02E1-04P20A	WG-WOPR8-03	4	0.81	0.38	1.01	9.8	0.9	11.6	1.27	14.2	382
	E2019	02E1-06P20A	WG-WOPR8-03	6	0.81	0.38	1.27	11.8	1.25	14.3	1.52	17.5	604
	E2020	02E1-08P20A	WG-WOPR8-03	8	0.81	0.38	1.27	12.4	1.25	14.9	1.52	18.1	651
20	E2021	02E1-12P20A	WG-WOPR8-03	12	0.81	0.38	1.27	14.5	1.25	17.0	1.52	20.2	790
	E2022	02E1-16P20A	WG-WOPR8-03	16	0.81	0.38	1.52	16.7	1.6	19.9	1.78	23.7	1124
	E2023	02E1-20P20A	WG-WOPR8-03	20	0.81	0.38	1.52	18.3	1.6	21.5	1.78	25.2	1258
	E2024	02E1-24P20A	WG-WOPR8-03	24	0.81	0.38	1.52	19.7	1.6	22.9	1.78	26.6	1373
	E2025	02E1-32P20A	WG-WOPR8-03	32	0.81	0.38	1.52	22.2	1.6	25.4	1.78	29.1	1613
	E2026	02E1-36P20A	WG-WOPR8-03	36	0.81	0.38	1.78	23.9	2.0	27.9	1.78	31.6	1989
	E2027	02E1-40P20A	WG-WOPR8-03	40	0.81	0.38	1.78	24.9	2.0	28.9	2.03	33.2	2159
	E2028	02E1-50P20A	WG-WOPR8-03	50	0.81	0.38	1.78	27.4	2.0	31.4	2.03	35.7	2427



THERMOCOUPLE EXTENSION CABLE 300 VOLTS TYPE PLTC-90°C RATING WIRE ARMoured, OVERALL SHIELDED

JX -TYPE

Size AWG	Order No.	MESC Code	Pairs	Conductor Diameter mm	Insulation Thickness mm	Inn. Jkt. Thickness mm	Dia.Over Inn. Jkt. mm	Arm. Wire Dia. mm	Dia.Over Armour mm	Outer Jkt. Thickness mm	Approx. O. D. mm	Approx. Weight Kg/Km	
16	J2015	02J1-01P16A WG-W0BK8-03	1	1.29	0.38	0.89	6.5	0.9	8.3	1.27	11.0	253	
	J2016	02J1-03P20A WG-W0BK8-03	3	0.81	0.38	1.01	9.1	0.9	10.9	1.27	13.6	347	
	J2017	02J1-04P20A WG-W0BK8-03	4	0.81	0.38	1.01	9.8	0.9	11.6	1.27	14.2	380	
	J2018	02J1-06P20A WG-W0BK8-03	6	0.81	0.38	1.27	11.8	1.25	14.3	1.52	17.5	601	
	J2019	02J1-08P20A WG-W0BK8-03	8	0.81	0.38	1.27	12.4	1.25	14.9	1.52	18.1	648	
	J2020	02J1-12P20A WG-W0BK8-03	12	0.81	0.38	1.27	14.5	1.25	17.0	1.52	20.2	785	
	20	J2021	02J1-16P20A WG-W0BK8-03	16	0.81	0.38	1.52	16.7	1.6	19.9	1.78	23.7	1117
		J2022	02J1-20P20A WG-W0BK8-03	20	0.81	0.38	1.52	18.3	1.6	21.5	1.78	25.2	1250
		J2023	02J1-24P20A WG-W0BK8-03	24	0.81	0.38	1.52	19.7	1.6	22.9	1.78	26.6	1362
		J2024	02J1-32P20A WG-W0BK8-03	32	0.81	0.38	1.52	22.2	1.6	25.4	1.78	29.1	1599
J2025		02J1-36P20A WG-W0BK8-03	36	0.81	0.38	1.78	23.9	2.0	27.9	1.78	31.6	1973	
J2026		02J1-40P20A WG-W0BK8-03	40	0.81	0.38	1.78	24.9	2.0	28.9	2.03	33.2	2141	
J2027		02J1-50P20A WG-W0BK8-03	50	0.81	0.38	1.78	27.4	2.0	31.4	2.03	35.7	2405	

KX -TYPE

Size AWG	Order No.	MESC Code	Pairs	Conductor Diameter mm	Insulation Thickness mm	Inn. Jkt. Thickness mm	Dia.Over Inn. Jkt. mm	Arm. Wire Dia. mm	Dia.Over Armour mm	Outer Jkt. Thickness mm	Approx. O. D. mm	Approx. Weight Kg/Km	
16	K2015	02K1-01P16A WG-W0YL8-03	1	1.29	0.38	0.89	6.5	0.9	8.3	1.27	11.0	253	
	K2016	02K1-02P20A WG-W0YL8-03	2	0.81	0.38	1.01	8.5	0.9	10.3	1.27	12.9	315	
	K2017	02K1-03P20A WG-W0YL8-03	3	0.81	0.38	1.01	9.1	0.9	10.9	1.27	13.6	348	
	K2018	02K1-04P20A WG-W0YL8-03	4	0.81	0.38	1.01	9.8	0.9	11.6	1.27	14.2	381	
	K2019	02K1-06P20A WG-W0YL8-03	6	0.81	0.38	1.27	11.8	1.25	14.3	1.52	17.5	603	
	K2020	02K1-08P20A WG-W0YL8-03	8	0.81	0.38	1.27	12.4	1.25	14.9	1.52	18.1	650	
	20	K2021	02K1-12P20A WG-W0YL8-03	12	0.81	0.38	1.27	14.5	1.25	17.0	1.52	20.2	789
		K2022	02K1-16P20A WG-W0YL8-03	16	0.81	0.38	1.52	16.7	1.6	19.9	1.78	23.7	1122
		K2023	02K1-20P20A WG-W0YL8-03	20	0.81	0.38	1.52	18.3	1.6	21.5	1.78	25.2	1255
		K2024	02K1-24P20A WG-W0YL8-03	24	0.81	0.38	1.52	19.7	1.6	22.9	1.78	26.6	1369
K2025		02K1-32P20A WG-W0YL8-03	32	0.81	0.38	1.52	22.2	1.6	25.4	1.78	29.1	1608	
K2026		02K1-36P20A WG-W0YL8-03	36	0.81	0.38	1.78	23.9	2.0	27.9	1.78	31.6	1984	
K2027		02K1-40P20A WG-W0YL8-03	40	0.81	0.38	1.78	24.9	2.0	28.9	2.03	33.2	2152	
K2028		02K1-50P20A WG-W0YL8-03	50	0.81	0.38	1.78	27.4	2.0	31.4	2.03	35.7	2420	

TX -TYPE

Size AWG	Order No.	MESC Code	Pairs	Conductor Diameter mm	Insulation Thickness mm	Inn. Jkt. Thickness mm	Dia.Over Inn. Jkt. mm	Arm. Wire Dia. mm	Dia.Over Armour mm	Outer Jkt. Thickness mm	Approx. O. D. mm	Approx. Weight Kg/Km	
16	T2015	02T1-01P16A WG-W0BL8-03	1	1.29	0.38	0.89	6.5	0.9	8.3	1.27	11.0	254	
	T2016	02T1-02P20A WG-W0BL8-03	2	0.81	0.38	1.01	8.5	0.9	10.3	1.27	12.9	316	
	T2017	02T1-03P20A WG-W0BL8-03	3	0.81	0.38	1.01	9.1	0.9	10.9	1.27	13.6	349	
	T2018	02T1-04P20A WG-W0BL8-03	4	0.81	0.38	1.01	9.8	0.9	11.6	1.27	14.2	382	
	T2019	02T1-06P20A WG-W0BL8-03	6	0.81	0.38	1.27	11.8	1.25	14.3	1.52	17.5	604	
	T2020	02T1-08P20A WG-W0BL8-03	8	0.81	0.38	1.27	12.4	1.25	14.9	1.52	18.1	652	
	20	T2021	02T1-12P20A WG-W0BL8-03	12	0.81	0.38	1.27	14.5	1.25	17.0	1.52	20.2	792
		T2022	02T1-16P20A WG-W0BL8-03	16	0.81	0.38	1.52	16.7	1.6	19.9	1.78	23.7	1126
		T2023	02T1-20P20A WG-W0BL8-03	20	0.81	0.38	1.52	18.3	1.6	21.5	1.78	25.2	1260
		T2024	02T1-24P20A WG-W0BL8-03	24	0.81	0.38	1.52	19.7	1.6	22.9	1.78	26.6	1376
T2025		02T1-32P20A WG-W0BL8-03	32	0.81	0.38	1.52	22.2	1.6	25.4	1.78	29.1	1616	
T2026		02T1-36P20A WG-W0BL8-03	36	0.81	0.38	1.78	23.9	2.0	27.9	1.78	31.6	1993	
T2027		02T1-40P20A WG-W0BL8-03	40	0.81	0.38	1.78	24.9	2.0	28.9	2.03	33.2	2163	
T2028		02T1-50P20A WG-W0BL8-03	50	0.81	0.38	1.78	27.4	2.0	31.4	2.03	35.7	2433	

THERMOCOUPLE EXTENSION CABLE 300 VOLTS TYPE PLTC-90°C RATING WIRE ARMoured, PAIR AND OVERALL SHIELDED

Specification: UL13



Application: These cables are used on circuits where shielding from external interference and other pairs is required. Suitable for cable tray, conduit or direct burial application in dry or wet location. The wire armour provides longitudinal strength for use as a messenger cable or for support in vertical drops (NEC SECTION 300-19) and provides protection against mechanical damage.

- **Conductor** : Solid alloy wire as per ANSI MC 96.1.
- **Insulation** : Flame Retardant PVC rated 90°C as per UL13.
- **Pair Twisting** : ANSI colour coded cores are twisted to counter electromagnetic noise.
- **Pair & Overall Shielding** : Each pair is shielded with aluminium polyester tape & a tinned copper drain wire, for maximum electrostatic noise and crosstalk rejection. All pair shields are electrically isolated from each other. Individually shielded pairs are cabled with non-hygroscopic fillers if necessary and the entire assembly is shielded with aluminium polyester tape and a tinned copper drain wire.
- **Inner Jacket** : ANSI colour coded flame retardant PVC rated 90°C as per UL13.
- **Wire Armour** : A serving of round soft galvanized steel wires is applied with 90% minimum coverage.
- **Outer Jacket** : ANSI color coded PVC rated 90°C as per UL13. Jacket is oil and sunlight resistant and passes IEEE 383 flame test.

COLOUR CODE AND LIMITS OF ERROR

ANSI Type	Positive Wire		Negative Wire		Jacket Colour	Temperature Range °C	Standard Error Limit. (±)
	Alloy	Colour	Alloy	Colour			
EX	Chromel	Purple	Constantan	Red	Purple	-18 to 204	2.22°C
JX	Iron	White	Constantan	Red	Black	-18 to 204	2.22°C
KX	Chromel	Yellow	Alumel	Red	Yellow	-18 to 204	2.22°C
TX	Copper	Blue	Constantan	Red	Blue	-59 to 93	0.83°C

EX - TYPE

Size AWG	Order No.	MESC Code	Pairs	Conductor Diameter mm	Insulation Thickness mm	Inn. Jkt. Thickness mm	Dia. Over Inn. Jkt. mm	Arm. Wire Dia. mm	Dia. Over Armour mm	Outer Jkt Thickness mm	Approx. O. D. mm	Approx. Weight Kg/Km
20	E4014	04E1-02P20A WG-WOPR8-03	2	0.81	0.38	1.01	9.0	0.9	10.8	1.27	13.5	340
	E4015	04E1-03P20A WG-WOPR8-03	3	0.81	0.38	1.01	9.7	0.9	11.5	1.27	14.2	385
	E4016	04E1-04P20A WG-WOPR8-03	4	0.81	0.38	1.27	11.0	0.9	12.8	1.52	16.0	474
	E4017	04E1-06P20A WG-WOPR8-03	6	0.81	0.38	1.27	12.6	1.25	15.1	1.52	18.3	663
	E4018	04E1-08P20A WG-WOPR8-03	8	0.81	0.38	1.27	13.2	1.25	15.7	1.52	18.9	733
	E4019	04E1-12P20A WG-WOPR8-03	12	0.81	0.38	1.52	16.0	1.25	18.5	1.52	21.7	946
	E4020	04E1-16P20A WG-WOPR8-03	16	0.81	0.38	1.52	17.9	1.6	21.1	1.78	24.9	1276
	E4021	04E1-20P20A WG-WOPR8-03	20	0.81	0.38	1.52	19.6	1.6	22.8	1.78	26.6	1437
	E4022	04E1-24P20A WG-WOPR8-03	24	0.81	0.38	1.52	21.2	1.6	24.4	1.78	28.1	1595
	E4023	04E1-32P20A WG-WOPR8-03	32	0.81	0.38	1.78	24.4	1.6	27.6	1.78	31.4	1944
	E4024	04E1-36P20A WG-WOPR8-03	36	0.81	0.38	1.78	25.7	2.0	29.7	2.03	33.9	2362
	E4025	04E1-40P20A WG-WOPR8-03	40	0.81	0.38	1.78	26.8	2.0	30.8	2.03	35.1	2493
	E4026	04E1-50P20A WG-WOPR8-03	50	0.81	0.38	1.78	29.5	2.0	33.5	2.03	37.8	2852



THERMOCOUPLE EXTENSION CABLE
300 VOLTS TYPE PLTC - 90°C RATING
WIRE ARMoured, PAIR AND OVERALL SHIELDED

JX -TYPE

Size AWG	Order No.	MESC Code	Pairs	Conductor Diameter mm	Insulation Thickness mm	Inn. Jkt. Thickness mm	Dia.Over Inn. Jkt. mm	Arm. Wire Dia. mm	Dia.Over Armour mm	Outer Jkt Thickness mm	Approx. O. D. mm	Approx. Weight Kg/Km
20	J4014	04J1-02P20A WG-W0BK8-03	2	0.81	0.38	1.01	9.0	0.9	10.8	1.27	13.5	339
	J4015	04J1-03P20A WG-W0BK8-03	3	0.81	0.38	1.01	9.7	0.9	11.5	1.27	14.2	384
	J4016	04J1-04P20A WG-W0BK8-03	4	0.81	0.38	1.27	11.0	0.9	12.8	1.52	16.0	472
	J4017	04J1-06P20A WG-W0BK8-03	6	0.81	0.38	1.27	12.6	1.25	15.1	1.52	18.3	660
	J4018	04J1-08P20A WG-W0BK8-03	8	0.81	0.38	1.27	13.2	1.25	15.7	1.52	18.9	730
	J4019	04J1-12P20A WG-W0BK8-03	12	0.81	0.38	1.52	16.0	1.25	18.5	1.52	21.7	940
	J4020	04J1-16P20A WG-W0BK8-03	16	0.81	0.38	1.52	17.9	1.6	21.1	1.78	24.9	1269
	J4021	04J1-20P20A WG-W0BK8-03	20	0.81	0.38	1.52	19.6	1.6	22.8	1.78	26.6	1428
	J4022	04J1-24P20A WG-W0BK8-03	24	0.81	0.38	1.52	21.2	1.6	24.4	1.78	28.1	1584
	J4023	04J1-32P20A WG-W0BK8-03	32	0.81	0.38	1.78	24.4	1.6	27.6	1.78	31.4	1930
	J4024	04J1-36P20A WG-W0BK8-03	36	0.81	0.38	1.78	25.7	2.0	29.7	2.03	33.9	2346
	J4025	04J1-40P20A WG-W0BK8-03	40	0.81	0.38	1.78	26.8	2.0	30.8	2.03	35.1	2475
	J4026	04J1-50P20A WG-W0BK8-03	50	0.81	0.38	1.78	29.5	2.0	33.5	2.03	37.8	2830

KX -TYPE

Size AWG	Order No.	MESC Code	Pairs	Conductor Diameter mm	Insulation Thickness mm	Inn. Jkt. Thickness mm	Dia.Over Inn. Jkt. mm	Arm. Wire Dia. mm	Dia.Over Armour mm	Outer Jkt Thickness mm	Approx. O. D. mm	Approx. Weight Kg/Km
20	K4014	04K1-02P20A WG-W0YL8-03	2	0.81	0.38	1.01	9.0	0.9	10.8	1.27	13.5	340
	K4015	04K1-03P20A WG-W0YL8-03	3	0.81	0.38	1.01	9.7	0.9	11.5	1.27	14.2	385
	K4016	04K1-04P20A WG-W0YL8-03	4	0.81	0.38	1.27	11.0	0.9	12.8	1.52	16.0	473
	K4017	04K1-06P20A WG-W0YL8-03	6	0.81	0.38	1.27	12.6	1.25	15.1	1.52	18.3	662
	K4018	04K1-08P20A WG-W0YL8-03	8	0.81	0.38	1.27	13.2	1.25	15.7	1.52	18.9	732
	K4019	04K1-12P20A WG-W0YL8-03	12	0.81	0.38	1.52	16.0	1.25	18.5	1.52	21.7	944
	K4020	04K1-16P20A WG-W0YL8-03	16	0.81	0.38	1.52	17.9	1.6	21.1	1.78	24.9	1274
	K4021	04K1-20P20A WG-W0YL8-03	20	0.81	0.38	1.52	19.6	1.6	22.8	1.78	26.6	1434
	K4022	04K1-24P20A WG-W0YL8-03	24	0.81	0.38	1.52	21.2	1.6	24.4	1.78	28.1	1591
	K4023	04K1-32P20A WG-W0YL8-03	32	0.81	0.38	1.78	24.4	1.6	27.6	1.78	31.4	1939
	K4024	04K1-36P20A WG-W0YL8-03	36	0.81	0.38	1.78	25.7	2.0	29.7	2.03	33.9	2357
	K4025	04K1-40P20A WG-W0YL8-03	40	0.81	0.38	1.78	26.8	2.0	30.8	2.03	35.1	2486
	K4026	04K1-50P20A WG-W0YL8-03	50	0.81	0.38	1.78	29.5	2.0	33.5	2.03	37.8	2845

TX -TYPE

Size AWG	Order No.	MESC Code	Pairs	Conductor Diameter mm	Insulation Thickness mm	Inn. Jkt. Thickness mm	Dia.Over Inn. Jkt. mm	Arm. Wire Dia. mm	Dia.Over Armour mm	Outer Jkt Thickness mm	Approx. O. D. mm	Approx. Weight Kg/Km
20	T4014	04T1-02P20A WG-W0BL8-03	2	0.81	0.38	1.01	9.0	0.9	10.8	1.27	13.5	340
	T4015	04T1-03P20A WG-W0BL8-03	3	0.81	0.38	1.01	9.7	0.9	11.5	1.27	14.2	385
	T4016	04T1-04P20A WG-W0BL8-03	4	0.81	0.38	1.27	11.0	0.9	12.8	1.52	16.0	474
	T4017	04T1-06P20A WG-W0BL8-03	6	0.81	0.38	1.27	12.6	1.25	15.1	1.52	18.3	663
	T4018	04T1-08P20A WG-W0BL8-03	8	0.81	0.38	1.27	13.2	1.25	15.7	1.52	18.9	734
	T4019	04T1-12P20A WG-W0BL8-03	12	0.81	0.38	1.52	16.0	1.25	18.5	1.52	21.7	947
	T4020	04T1-16P20A WG-W0BL8-03	16	0.81	0.38	1.52	17.9	1.6	21.1	1.78	24.9	1278
	T4021	04T1-20P20A WG-W0BL8-03	20	0.81	0.38	1.52	19.6	1.6	22.8	1.78	26.6	1439
	T4022	04T1-24P20A WG-W0BL8-03	24	0.81	0.38	1.52	21.2	1.6	24.4	1.78	28.1	1597
	T4023	04T1-32P20A WG-W0BL8-03	32	0.81	0.38	1.78	24.4	1.6	27.6	1.78	31.4	1948
	T4024	04T1-36P20A WG-W0BL8-03	36	0.81	0.38	1.78	25.7	2.0	29.7	2.03	33.9	2366
	T4025	04T1-40P20A WG-W0BL8-03	40	0.81	0.38	1.78	26.8	2.0	30.8	2.03	35.1	2497
	T4026	04T1-50P20A WG-W0BL8-03	50	0.81	0.38	1.78	29.5	2.0	33.5	2.03	37.8	2858