

LUTZE Electronic PLTC PVC, Unshielded

Flexible Electronic Cable with UL/CE/PLTC Approvals



Application

- Multi-conductor industrial grade PLTC electronic cable
- Machine tools, machine and plant construction, HVAC technology, assembly and production lines, process instrumentation and controls
- Compliant with NFPA 79 requirements
- PLTC for installation in cable trays

Characteristics

- Flexible for easy installation
- Easy strip design
- Color coded conductors
- Specially formulated jacket for oil resistance
- Premium durability
- Extended temperature range
- **UL listed** and **NFPA 79** compliant
- Gas/vapor-tight sheath per UL 13
- Talc and Silicone free

Technical Data

Voltage	300V
Temperature	-40°C - +105°C
Minimum bending radius	4 x cable OD
Conductor marking	See tables
Burning behavior	Flame retardant per UL VW-1, FT4
Oil resistance	Oil Res II
Approvals	UL Type PLTC UL Type CM AWM Style 2464 AWM II A/B CE Meets NEC 392, 725, 800 Class I & II, Div. 2 and Class I Zone 2 per NEC 501, 502, 505 (PLTC Use Only) UL 13 RoHS, REACH

Construction

- AWG conductor
- Flexible fine wire stranded tinned copper conductors
- SR-PVC insulation
- Oil resistant premium PVC jacket
- Gray jacket similar to RAL 7001

Specifications are subject to change without prior notice

Part No.	Description No. of conductors	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
AWG 22 (19/34)					
A3032202	AWG22/2C	4.4	0.173	17	4
A3032203	AWG22/3C	4.6	0.181	21	7
A3032204	AWG22/4C	4.9	0.194	26	9
A3032206	AWG22/6C	5.7	0.223	33	14
A3032208	AWG22/8C	6.2	0.243	42	19
A3032210	AWG22/10C	7.2	0.283	53	24
A3032215	AWG22/15C	8.1	0.318	70	35
A3032220	AWG22/20C	9.0	0.353	90	47
A3032225	AWG22/25C	10.3	0.407	117	59
AWG 20 (19/32)					
A3032002	AWG20/2C	5.0	0.195	21	7
A3032003	AWG20/3C	5.2	0.204	27	11
A3032004	AWG20/4C	5.6	0.220	33	15
A3032006	AWG20/6C	6.5	0.254	45	22
A3032008	AWG20/8C	7.2	0.282	58	30
A3032010	AWG20/10C	8.2	0.323	72	37
A3032015	AWG20/15C	9.2	0.364	99	56
A3032020	AWG20/20C	10.7	0.420	134	75
A3032025	AWG20/25C	11.7	0.461	163	94
AWG 18 (19/30)					
A3031802	AWG18/2C	5.4	0.213	27	12
A3031803	AWG18/3C	5.7	0.223	35	18
A3031804	AWG18/4C	6.1	0.242	43	24
A3031806	AWG18/6C	7.4	0.291	63	36
A3031808	AWG18/8C	7.9	0.312	79	49
A3031810	AWG18/10C	9.1	0.359	97	61
A3031815	AWG18/15C	10.8	0.427	145	91
A3031820	AWG18/20C	11.9	0.468	185	121
A3031825	AWG18/25C	13.1	0.515	226	152
AWG16 (26/30)					
A3031602	AWG16/2C	6.5	0.257	36	16
A3031603	AWG16/3C	6.9	0.271	48	24
A3031604	AWG16/4C	7.7	0.304	62	32
A3031606	AWG16/6C	9.1	0.357	89	49
A3031608	AWG16/8C	10.3	0.407	119	65
A3031610	AWG16/10C	11.9	0.469	149	81
A3031615	AWG16/15C	13.5	0.532	207	122
A3031620	AWG16/20C	14.9	0.587	264	163
A3031625	AWG16/25C	17.0	0.669	336	204

Color Code Table AWG 22

1-	BK	13-	WH/RD
2-	BN	14-	WH/OG
3-	RD	15-	WH/YE
4-	OG	16-	WH/GN
5-	YE	17-	WH/BU
6-	GN	18-	WH/VT
7-	BU	19-	WH/GY
8-	VT	20-	WH/BK/BN
9-	GY	21-	WH/BK/RD
10-	WH	22-	WH/BK/OG
11-	WH/BK	23-	WH/BK/YE
12-	WH/BN	24-	WH/BK/GN
		25-	WH/BK/BU

Color Code Table AWG 20, 18 & 16

1-	BK	13-	RD/GN
2-	RD	14-	RD/YE
3-	WH	15-	RD/BK
4-	GN	16-	WH/BK
5-	OG	17-	WH/RD
6-	BU	18-	WH/GN
7-	BN	19-	WH/YE
8-	YE	20-	WH/BU
9-	VT	21-	WH/BN
10-	GY	22-	WH/OG
11-	PK	23-	WH/GY
12-	TN	24-	WH/VT
		25-	WH/BK/RD

LUTZE Fittings Selection Chart

Part#	Plastic NPT	Plastic PG	Plastic Metric	Metal NPT	Metal PG	Metal Metric	Part#	Plastic NPT	Plastic PG	Plastic Metric	Metal NPT	Metal PG	Metal Metric
A2200403	N/A	FPPG36	FPM40	FMNPT114-CV	FMPG36	FMM50 FMM40-CV	A3032208	FPNPT38	FPPG9	FPM12	FMNPT38	FMPG9	FMM16
A2200603	FPNPT10	FPPG29	FPM32	FMNPT10 FMNPT114-CV	FMPG29	FMM40 FMM40-CV	A3032210	FPNPT38	FPPG9	FPM16	FMNPT12	FMPG11	FMM20
A2201/003	N/A	FPPG42	FPM50	FMNPT20-CV	FMPG42	FMM63 FMM63-CV	A3032215	FPNPT38	FPPG11	FPM16	FMNPT12	FMPG11	FMM20
A2202/003	N/A	FPPG48	FPM63	FMNPT20-CV	FMPG48	FMM63 FMM63-CV	A3032220	FPNPT38	FPPG13	FPM16	FMNPT12	FMPG13	FMM20
A22025003	N/A	N/A	N/A	FMNPT212-CEX	N/A	FMM63-CV	A3032225	FPNPT12-R	FPPG13	FPM20-R	FMNPT12	FMPG13	FMM20
A2203/003	N/A	FPPG48	FPM63	FMNPT20-CV	FMPG48	FMM63 FMM63-CV	A3080204	N/A	FPPG42	FPM50	FMNPT112-CV	FMPG42	FMM50-CV
A22035003	N/A	N/A	N/A	FMNPT212-CEX	N/A	FMM75-CEX	A3080404	N/A	FPPG36	FPM40	FMNPT114-CV	FMPG36	FMM50
A2204/003	N/A	N/A	N/A	FMNPT212-CEX	N/A	FMM63-CV	A3080604	FPNPT10	FPPG29	FPM32	FMNPT10	FMPG29	FMM40
A22050003	N/A	N/A	N/A	FMNPT3-CEX	N/A	FMM90-CEX	A3080804	FPNPT10	FPPG29	FPM32	FMNPT10	FMPG29	FMM40
A2441402	FPNPT12-R	FPPG13	FPM20-R	FMNPT12 FMNPT12-CV	FMPG13	FMM20 FMM20-CV	A3080805	FPNPT10	FPPG29	FPM32	FMNPT10	FMPG29	FMM40
A2441404	FPNPT34	FPPG21	FPM25	FMNPT34 FMNPT34-CV	FMPG21	FMM32 FMM25-CV	A3081004	FPNPT34	FPPG21	FPM25	FMNPT34	FMPG21	FMM32
A2441602	FPNPT38	FPPG13	FPM20-R	FMNPT12 FMNPT12-CV	FMPG13	FMM20 FMM20-CV	A3081005	FPNPT34	FPPG21	FPM25	FMNPT34	FMPG21	FMM32
A2441604	FPNPT34	FPPG21	FPM25	FMNPT34 FMNPT34-CV	FMPG21	FMM32 FMM25-CV	A3081203	FPNPT12-R	FPPG13	FPM20-R	FMNPT12	FMPG13	FMM20
A2441802	FPNPT38	FPPG11	FPM16	FMNPT12 FMNPT12-CV	FMPG11	FMM20 FMM20-CV	A3081204	FPNPT12	FPPG16	FPM20	FMNPT12	FMPG16	FMM25
A2441804	FPNPT34	FPPG21	FPM25	FMNPT34 FMNPT34-CV	FMPG21	FMM32 FMM25-CV	A3081205	FPNPT12	FPPG16	FPM20	FMNPT34-CV	FMPG16	FMM25
A3031602	FPNPT38	FPPG9	FPM16	FMNPT38	FMPG9	FMM16	A3081207	FPNPT34	FPPG21	FPM25	FMNPT34	FMPG21	FMM32
A3031603	FPNPT38	FPPG9	FPM16	FMNPT38	FMPG9	FMM16	A3081403	FPNPT38	FPPG11	FPM16	FMNPT12	FMPG11	FMM20
A3031604	FPNPT38	FPPG11	FPM16	FMNPT12	FMPG13	FMM20	A3081404	FPNPT12-R	FPPG13	FPM20-R	FMNPT12	FMPG13	FMM20
A3031606	FPNPT38	FPPG13	FPM16	FMNPT12	FMPG13	FMM20	A3081405	FPNPT12-R	FPPG13	FPM20-R	FMNPT12	FMPG13	FMM20
A3031608	FPNPT12	FPPG13	FPM20	FMNPT12	FMPG13	FMM20	A3081407	FPNPT12	FPPG16	FPM20	FMNPT12	FMPG16	FMM25
A3031610	FPNPT12	FPPG16	FPM20	FMNPT12	FMPG16	FMM25	A3081409	FPNPT12	FPPG16	FPM20	FMNPT34	FMPG16	FMM25
A3031615	FPNPT12	FPPG16	FPM20	FMNPT34	FMPG16	FMM25	A3081412	FPNPT34	FPPG21	FPM25	FMNPT34	FMPG21	FMM32
A3031620	FPNPT34	FPPG21	FPM25	FMNPT34	FMPG21	FMM32	A3081418	FPNPT10-R	FPPG29	FPM32-R	FMNPT10	FMPG29	FMM40
A3031625	FPNPT34	FPPG21	FPM25	FMNPT34	FMPG21	FMM32	A3081425	FPNPT10	FPPG29	FPM32	FMNPT10	FMPG29	FMM40
A3031802	FPNPT38-R	FPPG7	FPM12	FMNPT38	FMPG7	FMM12	A3081602	FPNPT38	FPPG11	FPM16	FMNPT12	FMPG11	FMM20
A3031803	FPNPT38	FPPG7	FPM12	FMNPT38	FMPG9	FMM16	A3081603	FPNPT38	FPPG11	FPM16	FMNPT12	FMPG11	FMM20
A3031804	FPNPT38	FPPG9	FPM16	FMNPT38	FMPG9	FMM16	A3081604	FPNPT38	FPPG11	FPM16	FMNPT12	FMPG11	FMM20
A3031806	FPNPT38	FPPG9	FPM16	FMNPT12	FMPG11	FMM20	A3081605	FPNPT12-R	FPPG13	FPM20-R	FMNPT12	FMPG13	FMM20
A3031808	FPNPT38	FPPG11	FPM16	FMNPT12	FMPG11	FMM20	A3081607	FPNPT12-R	FPPG13	FPM20-R	FMNPT12	FMPG13	FMM20
A3031810	FPNPT38	FPPG13	FPM20-R	FMNPT12	FMPG13	FMM20	A3081609	FPNPT12	FPPG16	FPM20	FMNPT12	FMPG16	FMM25
A3031815	FPNPT12	FPPG13	FPM20-R	FMNPT12	FMPG13	FMM20	A3081612	FPNPT12	FPPG16	FPM20	FMNPT34	FMPG16	FMM25
A3031820	FPNPT12	FPPG16	FPM20	FMNPT12	FMPG16	FMM25	A3081618	FPNPT34	FPPG21	FPM25	FMNPT34	FMPG21	FMM32
A3031825	FPNPT12	FPPG16	FPM20	FMNPT34	FMPG16	FMM25	A3081625	FPNPT10	FPPG29	FPM32	FMNPT10	FMPG29	FMM40
A3032002	FPNPT38-R	FPPG7	FPM12	FMNPT38	FMPG7	FMM12	A3081634	FPNPT10	FPPG29	FPM32	FMNPT10	FMPG29	FMM40
A3032003	FPNPT38-R	FPPG7	FPM12	FMNPT38	FMPG7	FMM12	A3081641	FPNPT10	FPPG36	FPM40	FMNPT10	FMPG36	FMM50
A3032004	FPNPT38	FPPG7	FPM12	FMNPT38	FMPG9	FMM16	A3081802	FPNPT38	FPPG9	FPM16	FMNPT38	FMPG9	FMM20
A3032006	FPNPT38	FPPG9	FPM16	FMNPT38	FMPG9	FMM16	A3081803	FPNPT38	FPPG11	FPM16	FMNPT12	FMPG11	FMM20
A3032008	FPNPT38	FPPG9	FPM16	FMNPT12	FMPG11	FMM20	A3081804	FPNPT38	FPPG11	FPM16	FMNPT12	FMPG11	FMM20
A3032010	FPNPT38	FPPG11	FPM16	FMNPT12	FMPG11	FMM20	A3081805	FPNPT38	FPPG11	FPM16	FMNPT12	FMPG11	FMM20
A3032015	FPNPT38	FPPG13	FPM20-R	FMNPT12	FMPG13	FMM20	A3081807	FPNPT12-R	FPPG13	FPM20-R	FMNPT12	FMPG13	FMM20
A3032020	FPNPT12	FPPG16	FPM20	FMNPT34-CV	FMPG16	FMM25	A3081809	FPNPT12	FPPG13	FPM20-R	FMNPT12	FMPG13	FMM20
A3032025	FPNPT34	FPPG21	FPM25	FMNPT34	FMPG21	FMM32	A3081812	FPNPT12	FPPG16	FPM20	FMNPT34-CV	FMPG16	FMM25
A3032202	FPNPT38-R	FPPG7	FPM12	FMNPT38	FMPG7	FMM12	A3081818	FPNPT34	FPPG21	FPM25	FMNPT34	FMPG21	FMM32
A3032203	FPNPT38-R	FPPG7	FPM12	FMNPT38	FMPG7	FMM12	A3081825	FPNPT34	FPPG21	FPM25	FMNPT34	FMPG21	FMM32
A3032204	FPNPT38-R	FPPG7	FPM12	FMNPT38	FMPG7	FMM12	A3081834	FPNPT10	FPPG29	FPM32	FMNPT10	FMPG29	FMM40
A3032206	FPNPT38	FPPG7	FPM12	FMNPT38	FMPG9	FMM16	A3081841	FPNPT10	FPPG29	FPM32	FMNPT10	FMPG29	FMM40