

LUTZE Electronic PLTC PVC, Shielded

Flexible Electronic Cable with UL/CE/PLTC Approvals



Application

- Dual shielded 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
- Shielded with foil tape, tinned copper braid and drain wire
- 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)					
A3132202	AWG22/2C	5.0	0.197	27	11
A3132203	AWG22/3C	5.2	0.205	32	15
A3132204	AWG22/4C	5.5	0.218	37	18
A3132206	AWG22/6C	6.3	0.247	47	24
A3132208	AWG22/8C	6.7	0.263	55	30
A3132210	AWG22/10C	7.7	0.303	67	36
A3132215	AWG22/15C	8.6	0.338	88	50
A3132220	AWG22/20C	9.4	0.369	109	62
A3132225	AWG22/25C	10.7	0.423	137	77

AWG 20 (19/32)					
A3132002	AWG20/2C	5.6	0.221	35	17
A3132003	AWG20/3C	5.8	0.230	42	22
A3132004	AWG20/4C	6.2	0.246	48	27
A3132006	AWG20/6C	7.2	0.284	64	37
A3132008	AWG20/8C	7.7	0.302	76	46
A3132010	AWG20/10C	8.7	0.343	91	55
A3132015	AWG20/15C	10.3	0.404	128	76
A3132020	AWG20/20C	11.5	0.454	157	97
A3132025	AWG20/25C	12.2	0.481	189	118

AWG 18 (19/30)					
A3131802	AWG18/2C	5.9	0.233	44	27
A3131803	AWG18/3C	6.2	0.243	53	34
A3131804	AWG18/4C	6.7	0.262	62	41
A3131806	AWG18/6C	7.9	0.311	85	55
A3131808	AWG18/8C	8.4	0.332	102	68
A3131810	AWG18/10C	9.6	0.379	123	83
A3131815	AWG18/15C	11.4	0.447	175	117
A3131820	AWG18/20C	12.4	0.488	217	150
A3131825	AWG18/25C	13.6	0.535	260	182

AWG16 (26/30)					
A3131602	AWG16/2C	7.3	0.288	59	32
A3131603	AWG16/3C	7.7	0.302	68	40
A3131604	AWG16/4C	8.3	0.325	81	49
A3131606	AWG16/6C	9.6	0.378	111	68
A3131608	AWG16/8C	10.9	0.428	143	86
A3131610	AWG16/10C	12.4	0.490	175	105
A3131615	AWG16/15C	14.0	0.553	237	149
A3131620	AWG16/20C	16.0	0.628	308	192
A3131625	AWG16/25C	17.5	0.690	371	236

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
A3081850	FPNPT10	FPPG29	FPM32	FMNPT10	FMPG29	FMM40	A3131620	FPNPT34	FPPG21	FPM25	FMNPT34 FMNPT34-CV	FMPG21	FMM32 FMM25-CV
A3082003	FPNPT38	FPPG9	FPM16	FMNPT38	FMPG9	FMM16	A3131625	FPNPT34	FPPG21	FPM25	FMNPT34 FMNPT34-CV	FMPG21	FMM32 FMM25-CV
A3082004	FPNPT38	FPPG9	FPM16	FMNPT12	FMPG11	FMM20	A3131802	FPNPT38	FPPG7	FPM12	FMNPT38 FMNPT38-CV	FMPG9	FMM16 FMM16-CV
A3082005	FPNPT38	FPPG11	FPM16	FMNPT12	FMPG11	FMM20	A3131803	FPNPT38	FPPG9	FPM16	FMNPT38 FMNPT38-CV	FMPG9	FMM16 FMM16-CV
A3082007	FPNPT38	FPPG11	FPM16	FMNPT12	FMPG11	FMM20	A3131804	FPNPT38	FPPG9	FPM16	FMNPT38 FMNPT38-CV	FMPG9	FMM16 FMM16-CV
A3082012	FPNPT12	FPPG13	FPM20-R	FMNPT12	FMPG13	FMM20	A3131806	FPNPT38	FPPG11	FPM16	FMNPT12 FMNPT38-CV	FMPG11	FMM20 FMM16-CV
A3082018	FPNPT12	FPPG16	FPM20	FMNPT34-CV	FMPG16	FMM25	A3131808	FPNPT38	FPPG11	FPM16	FMNPT12 FMNPT38-CV	FMPG11	FMM20 FMM16-CV
A3082025	FPNPT34	FPPG21	FPM25	FMNPT34	FMPG21	FMM32	A3131810	FPNPT12-R	FPPG13	FPM20-R	FMNPT12 FMNPT12-CV	FMPG13	FMM20 FMM20-CV
A3091004	FPNPT34	FPPG21	FPM25	FMNPT34 FMNPT34-CV	FMPG21	FMM32 FMM25-CV	A3131815	FPNPT12	FPPG16	FPM20	FMNPT12 FMNPT12-CV	FMPG16	FMM25 FMM20-CV
A3091203	FPNPT12	FPPG13	FPM20-R	FMNPT12 FMNPT12-CV	FMPG13	FMM20 FMM20-CV	A3131820	FPNPT12	FPPG16	FPM20	FMNPT34-CV	FMPG16	FMM25 FMM25-CV
A3091204	FPNPT12	FPPG16	FPM20	FMNPT12 FMNPT34-CV	FMPG16	FMM25 FMM25-CV	A3131825	FPNPT34	FPPG21	FPM25	FMNPT34 FMNPT34-CV	FMPG21	FMM32 FMM25-CV
A3091205	FPNPT12	FPPG16	FPM20	FMNPT34-CV	FMPG16	FMM25 FMM25-CV	A3132002	FPNPT38	FPPG7	FPM12	FMNPT38 FMNPT38-CV	FMPG9	FMM16 FMM16-CV
A3091403	FPNPT12-R	FPPG13	FPM20-R	FMNPT12 FMNPT12-CV	FMPG13	FMM20 FMM20-CV	A3132003	FPNPT38	FPPG7	FPM12	FMNPT38 FMNPT38-CV	FMPG9	FMM16 FMM16-CV
A3091404	FPNPT12-R	FPPG13	FPM20-R	FMNPT12 FMNPT12-CV	FMPG13	FMM20 FMM20-CV	A3132004	FPNPT38	FPPG9	FPM16	FMNPT38 FMNPT38-CV	FMPG9	FMM16 FMM16-CV
A3091405	FPNPT12	FPPG16	FPM20	FMNPT12 FMNPT12-CV	FMPG16	FMM25 FMM20-CV	A3132006	FPNPT38	FPPG9	FPM16	FMNPT38 FMNPT38-CV	FMPG11	FMM20 FMM16-CV
A3091407	FPNPT12	FPPG16	FPM20	FMNPT34-CV	FMPG16	FMM25 FMM25-CV	A3132008	FPNPT38	FPPG11	FPM16	FMNPT12 FMNPT38-CV	FMPG11	FMM20 FMM16-CV
A3091412	FPNPT34	FPPG21	FPM25	FMNPT34 FMNPT34-CV	FMPG21	FMM32 FMM25-CV	A3132010	FPNPT38	FPPG11	FPM16	FMNPT12 FMNPT12-CV	FMPG11	FMM20 FMM20-CV
A3091603	FPNPT38	FPPG11	FPM16	FMNPT12 FMNPT12-CV	FMPG11	FMM20 FMM20-CV	A3132015	FPNPT12-R	FPPG13	FPM20-R	FMNPT12 FMNPT12-CV	FMPG13	FMM20 FMM20-CV
A3091604	FPNPT38	FPPG13	FPM20-R	FMNPT12 FMNPT12-CV	FMPG13	FMM20 FMM20-CV	A3132020	FPNPT12	FPPG13	FPM20-R	FMNPT12 FMNPT12-CV	FMPG13	FMM20 FMM20-CV
A3091605	FPNPT12-R	FPPG13	FPM20-R	FMNPT12 FMNPT12-CV	FMPG13	FMM20 FMM20-CV	A3132025	FPNPT12	FPPG16	FPM20	FMNPT34-CV	FMPG16	FMM25 FMM25-CV
A3091607	FPNPT12	FPPG13	FPM20-R	FMNPT12 FMNPT12-CV	FMPG13	FMM20 FMM20-CV	A3132202	FPNPT38-R	FPPG7	FPM12	FMNPT38 FMNPT38-CV	FMPG7	FMM12 FMM16-CV
A3091612	FPNPT34	FPPG21	FPM25	FMNPT34 FMNPT34-CV	FMPG21	FMM32 FMM25-CV	A3132203	FPNPT38-R	FPPG7	FPM12	FMNPT38 FMNPT38-CV	FMPG7	FMM12 FMM16-CV
A3091618	FPNPT34	FPPG21	FPM25	FMNPT34 FMNPT34-CV	FMPG21	FMM32 FMM25-CV	A3132204	FPNPT38-R	FPPG7	FPM12	FMNPT38 FMNPT38-CV	FMPG7	FMM16 FMM16-CV
A3091625	FPNPT10	FPPG29	FPM32	FMNPT10 FMNPT10-CV	FMPG29	FMM40 FMM32-CV	A3132206	FPNPT38	FPPG9	FPM16	FMNPT38 FMNPT38-CV	FMPG9	FMM16 FMM16-CV
A3091802	FPNPT38	FPPG11	FPM16	FMNPT12 FMNPT38-CV	FMPG11	FMM20 FMM16-CV	A3132208	FPNPT38	FPPG9	FPM16	FMNPT38 FMNPT38-CV	FMPG9	FMM16 FMM16-CV
A3091803	FPNPT38	FPPG13	FPM20-R	FMNPT12 FMNPT12-CV	FMPG13	FMM20 FMM20-CV	A3132210	FPNPT38	FPPG11	FPM16	FMNPT12 FMNPT38-CV	FMPG11	FMM20 FMM16-CV
A3091804	FPNPT38	FPPG11	FPM16	FMNPT12 FMNPT12-CV	FMPG11	FMM20 FMM20-CV	A3132215	FPNPT38	FPPG11	FPM16	FMNPT12 FMNPT12-CV	FMPG11	FMM20 FMM20-CV
A3091805	FPNPT38	FPPG13	FPM20-R	FMNPT12 FMNPT12-CV	FMPG13	FMM20 FMM20-CV	A3132220	FPNPT38	FPPG13	FPM20-R	FMNPT12 FMNPT12-CV	FMPG13	FMM20 FMM20-CV
A3091807	FPNPT12-R	FPPG13	FPM20-R	FMNPT12 FMNPT12-CV	FMPG13	FMM20 FMM20-CV	A3132225	FPNPT12	FPPG13	FPM20-R	FMNPT12 FMNPT12-CV	FMPG13	FMM20 FMM20-CV
A3091812	FPNPT12	FPPG16	FPM20	FMNPT34-CV	FMPG16	FMM25 FMM25-CV	A3141602	FPNPT38	FPPG11	FPM16	FMNPT12 FMNPT38-CV	FMPG13	FMM20 FMM16-CV
A3091818	FPNPT34	FPPG21	FPM25	FMNPT34 FMNPT34-CV	FMPG21	FMM32 FMM25-CV	A3141604	FPNPT12	FPPG13	FPM20	FMNPT12 FMNPT12-CV	FMPG13	FMM20 FMM20-CV
A3091825	FPNPT10-R	FPPG21	FPM32-R	FMNPT34 FMNPT10-CV	FMPG21	FMM32 FMM32-CV	A3141606	FPNPT12	FPPG16	FPM20	FMNPT12 FMNPT12-CV	FMPG16	FMM25 FMM20-CV
A3092003	FPNPT38	FPPG11	FPM16	FMNPT12 FMNPT38-CV	FMPG11	FMM20 FMM16-CV	A3141408	FPNPT12	FPPG16	FPM20	FMNPT34-CV	FMPG16	FMM25 FMM25-CV
A3092004	FPNPT38	FPPG11	FPM16	FMNPT12 FMNPT38-CV	FMPG11	FMM20 FMM16-CV	A3141612	FPNPT34	FPPG21	FPM25	FMNPT34 FMNPT34-CV	FMPG21	FMM32 FMM25-CV
A3092005	FPNPT38	FPPG11	FPM16	FMNPT12 FMNPT38-CV	FMPG11	FMM20 FMM16-CV	A3141616	FPNPT34	FPPG21	FPM25	FMNPT34 FMNPT34-CV	FMPG21	FMM32 FMM25-CV
A3092007	FPNPT38	FPPG13	FPM20-R	FMNPT12 FMNPT12-CV	FMPG13	FMM20 FMM20-CV	A3141802	FPNPT38	FPPG7	FPM12	FMNPT38 FMNPT38-CV	FMPG9	FMM16 FMM16-CV
A3092012	FPNPT12	FPPG16	FPM20	FMNPT12 FMNPT12-CV	FMPG16	FMM25 FMM20-CV	A3141804	FPNPT38	FPPG11	FPM16	FMNPT12 FMNPT38-CV	FMPG11	FMM20 FMM16-CV
A3092018	FPNPT12	FPPG16	FPM20	FMNPT34 FMNPT34-CV	FMPG16	FMM25 FMM25-CV	A3141806	FPNPT38	FPPG11	FPM16	FMNPT12 FMNPT12-CV	FMPG11	FMM20 FMM20-CV
A3092025	FPNPT34	FPPG21	FPM25	FMNPT34 FMNPT34-CV	FMPG21	FMM32 FMM25-CV	A3141808	FPNPT12-R	FPPG13	FPM20-R	FMNPT12 FMNPT12-CV	FMPG13	FMM20 FMM20-CV
A3131602	FPNPT38	FPPG11	FPM16	FMNPT38 FMNPT38-CV	FMPG13	FMM20 FMM16-CV	A3141810	FPNPT12	FPPG13	FPM20-R	FMNPT12 FMNPT12-CV	FMPG13	FMM20 FMM20-CV
A3131603	FPNPT38	FPPG11	FPM16	FMNPT38 FMNPT38-CV	FMPG13	FMM20 FMM16-CV	A3141812	FPNPT12	FPPG16	FPM20	FMNPT12 FMNPT34-CV	FMPG16	FMM25 FMM25-CV
A3131604	FPNPT38	FPPG13	FPM16	FMNPT12 FMNPT38-CV	FMPG13	FMM20 FMM16-CV	A3141816	FPNPT12	FPPG16	FPM20	FMNPT34-CV	FMPG16	FMM25 FMM25-CV
A3131606	FPNPT38	FPPG13	FPM16	FMNPT12 FMNPT12-CV	FMPG13	FMM20 FMM20-CV	A3142002	FPNPT38	FPPG7	FPM12	FMNPT38 FMNPT38-CV	FMPG9	FMM16 FMM16-CV
A3131608	FPNPT12	FPPG13	FPM20	FMNPT12 FMNPT12-CV	FMPG13	FMM20 FMM20-CV	A3142004	FPNPT38	FPPG11	FPM16	FMNPT12 FMNPT38-CV	FMPG11	FMM20 FMM16-CV
A3131610	FPNPT12	FPPG16	FPM20	FMNPT34-CV	FMPG16	FMM25 FMM25-CV	A3142006	FPNPT38	FPPG11	FPM16	FMNPT12 FMNPT38-CV	FMPG11	FMM20 FMM16-CV
A3131615	FPNPT34	FPPG21	FPM25	FMNPT34 FMNPT34-CV	FMPG21	FMM32 FMM25-CV	A3142008	FPNPT38	FPPG11	FPM16	FMNPT12 FMNPT12-CV	FMPG11	FMM20 FMM20-CV