

Polyrad® XT-125



Single Conductor Cable 2kV/1000V & 2kV(HD)/1000V

Size	Strand	Texcan Part No.	Insulation Thickness	Cable Diameter		Approximate Cable Weight		Ampacities 45° Ambient-Single Banked			
			Inches	Inches	mm	LBS/ 1000 FT	KG/ KM	95°C	100°C	110°C	125°C
8	37/24	16-281190	0.055	0.251	6.38	65	97	70	72	77	90
6	61/24	16-295370	0.055	0.300	7.62	102	152	92	96	103	20
5	91/24	16-357270	0.055	0.368	9.35	151	225	104	106	117	153
4	105/24	16-281060	0.055	0.388	9.86	163	243	123	128	137	158
3	126/24	16-357280	0.055	0.411	10.44	210	312	140	146	156	195
2	140/24	16-281070	0.055	0.433	11.00	238	354	162	169	181	217
1	224/24	16-300550	0.065	0.543	13.79	341	507	180	194	208	281
1/0	273/24	16-387300	0.105	0.578	14.68	438	652	217	227	243	319
2/0	323/24	16-387310	0.105	0.638	16.21	501	745	251	262	281	354
3/0	456/24	16-387320	0.105	0.717	18.21	692	1030	289	300	321	437
4/0	551/24	16-387330	0.105	0.840	21.34	816	1214	337	351	376	495
262	646/24	16-357290	0.105	0.870	20.10	962	1431	392	407	426	559
313	777/24	16-644010	0.105	0.940	23.88	1125	1674	439	455	491	617
373	925/24	16-361470	0.105	1.005	25.53	1354	2015	507	526	563	692
444	1110/24	16-644030	0.105	1.085	27.56	1693	2519	567	588	630	772
535	1332/24	16-644050	0.120	1.185	30.10	1994	2967	638	662	709	871
646	1591/24	16-644070	0.120	1.295	32.89	2303	3427	693	715	766	979
777	1924/24	16-644090	0.120	1.390	35.31	2870	4271	750	830	889	1101
1111	2745/24	16-274380	0.120	1.615	41.02	3820	5684	972	1003	1073	1374

2kV/1000V – 1 AWG and smaller constructions with Regular-Duty insulation thickness

2kV(HD)/1000V – 1/0 AWG and larger constructions with Heavy-Duty (HD) insulation thickness

Note: All dimensions are nominal and are subject to normal manufacturing tolerance.
Specifications are subject to change without prior notice.

POLYRAD® XT-125 IEEE 1580 Type P Single Conductor Cable 2000V & 2000V(HD)

Product Construction:

Insulation: Polyrad XT-125 Irradiated Cross-Linked Polyolefin (XLPO); Polyrad XT-125 Heavy-Duty (HD) Irradiated Cross-Linked Polyolefin (XLPO) – 1/0 AWG and larger. Temperature rated @ 125°C for long life, higher ampacities and protection from thermal overloads.

Print: (Including but not limited to)

POLYRAD® XT 125 (UL) E85994 BR781 HD¹ 110C 1/C XXAWG (XX SQ MM) 2000V OR (CSA) 245/1309 FT4 -40C OR RW90 XLPE TC² SR 2KV OR (ETL)US 109229 IEEE 1580-2001 IEC 1KV 60332.3A DAY/MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

¹ Heavy-Duty (HD) – 1/0 AWG and larger

² TC – 2/0 -1/0 AWG and larger



Single Conductor Cable

MRO ELECTRONIC SUPPLY LTD.

Contact MRO for more information at (403)291-0501
sales@mroelectronics.com

MOR® Polyrad® XT-125



Multi-Conductor Cable 600V

Size	No. of Conds.	Strand	Texcan Part No.	Insulation Thickness	Cable Diameter		Net Weight		Ampacities 45° Ambient-Single Banked			
				Inches	Inches	mm	LBS/ 1000 FT	KG/ KM	95°C	100°C	110°C	125°C
18	2	19/30	16-661640	0.030	0.350	8.89	68	101	13	14	15	-
18	3	19/30	16-659140	0.030	0.365	9.27	73	109	11	12	13	-
18	5	19/30	16-356120	0.030	0.425	10.80	103	153	9	10	11	-
16	2	19/29	16-664780	0.030	0.360	9.14	75	112	18	19	20	22
16	5	19/29	16-656090	0.030	0.445	11.30	116	173	12	13	14	14
16	6	19/29	16-673180	0.030	0.480	12.19	132	196	12	13	14	14
16	7	19/29	16-656060	0.030	0.480	12.19	142	211	10	11	12	13
16	8	19/29	16-661620	0.030	0.515	13.08	159	237	10	11	12	13
16	10	19/29	16-656070	0.030	0.595	15.11	196	292	7	8	9	9
16	16	19/29	16-326090	0.030	0.675	17.15	280	417	7	8	9	9
16	20	19/29	16-656080	0.030	0.745	18.92	337	501	7	8	9	9
16	24	19/29	16-281050	0.030	0.825	20.96	400	595	6	7	8	8
16	30	19/29	16-356210	0.030	0.915	23.24	514	765	6	7	8	8
16	37	19/29	16-272130	0.030	0.985	25.02	613	912	5	6	7	7
14	2	19/27	16-648720	0.030	0.390	9.91	92	137	30	31	33	33
14	3	19/27	16-272160*	0.030	0.410	10.41	107	159	24	25	27	28
14	4	19/27	16-646020	0.030	0.440	11.18	121	180	19	20	22	22
14	5	19/27	16-651320	0.030	0.480	12.19	147	219	19	20	22	22
14	6	19/27	16-673170	0.030	0.520	13.21	170	253	19	20	22	22
14	7	19/27	16-659390	0.030	0.520	13.21	183	272	17	18	19	20
14	10	19/27	16-646910	0.030	0.650	16.51	256	381	12	13	14	14
14	20	19/27	16-646920	0.030	0.815	20.70	447	665	12	13	14	14
14	24	19/27	16-672470	0.030	0.945	24.00	565	841	10	11	12	13
14	30	19/27	16-661690	0.030	1.005	25.53	679	1010	10	11	12	13
14	37	19/27	16-652780	0.030	1.075	27.31	816	1214	9	10	11	11
12	2	19/25	16-652800	0.030	0.425	10.80	117	174	38	40	43	44
12	3	19/25	16-272150*	0.030	0.445	11.30	138	205	30	31	33	37
12	4	19/25	16-646700	0.030	0.485	12.32	165	246	24	25	26	30
12	5	19/25	16-672730	0.030	0.525	13.34	194	289	24	25	26	30
12	8	19/25	16-356250	0.030	0.615	15.62	276	411	21	22	23	26
12	10	19/25	16-646890	0.030	0.720	18.29	343	510	15	16	17	19
12	20	19/25	16-646040	0.030	0.955	24.26	646	961	15	16	17	19
12	24	19/25	16-355640	0.030	1.055	26.80	763	1135	13	14	15	17
10	2	27/24	16-652810	0.030	0.490	12.45	172	256	47	49	52	64
10	3	27/24	16-354840*	0.030	0.515	13.08	211	314	39	41	44	49
10	4	27/24	16-646060	0.030	0.560	14.22	256	381	31	33	35	39
10	5	27/24	16-648740	0.030	0.610	15.49	315	469	31	33	35	39
10	7	27/24	16-652760	0.030	0.665	16.89	418	622	27	29	31	34
8	2	37/24	16-651810	0.045	0.590	14.99	248	369	62	64	69	77
8	3	37/24	16-387100*	0.045	0.620	15.75	298	443	50	52	56	63
8	4	37/24	16-658510	0.045	0.680	17.27	365	543	40	42	45	50
8	5	37/24	16-672740	0.045	0.750	19.05	444	661	40	42	45	50
6	2	61/24	16-667730	0.045	0.665	16.89	349	519	82	85	91	111
6	3	61/24	16-387110*	0.045	0.705	17.91	426	634	67	70	75	91
6	4	61/24	16-646070	0.045	0.775	19.69	529	787	54	56	60	73
6	5	61/24	16-356440	0.045	0.895	22.73	680	1012	54	56	60	73
4	3	105/24	16-387130*	0.045	0.935	23.75	717	1067	87	92	99	126
4	4	105/24	16-648680	0.045	1.030	26.16	919	1367	70	74	79	101
4	5	105/24	16-665900	0.045	1.135	28.83	1075	1600	70	74	79	101

* denotes T-75094 Series with a color code of black, white and green

Note: All dimensions are nominal and are subject to normal manufacturing tolerance. Specifications are subject to change without prior notice.

MOR® Polyrad® XT-125



Multi-Conductor Cable 600V

Size	No. of Conds.	Strand	Texcan Part No.	Insulation Thickness	Cable Diameter		Net Weight		Ampacities 45° Ambient-Single Banked				
				Inches	Inches	mm	LBS/ 1000 FT	KG/ KM	95°C	100°C	110°C	125°C	
2	3	140/24	16-387150*	0.045	1.035	26.29	981	1460	116	122	131	161	
2	4	140/24	16-646080	0.045	1.135	28.83	1217	1811	93	98	105	129	
2	5	140/24	16-348300	0.045	1.255	31.88	1510	2247	93	98	105	129	
1	4	140/24	16-652770	0.045	1.355	34.42	1702	2533	110	114	122	162	
1/0	3	273/24	16-382490*	0.055	1.300	33.02	1687	2510	157	164	176	229	
1/0	4	273/24	16-646090	0.055	1.435	36.45	2119	3153	126	131	141	183	
2/0	3	323/24	16-387170*	0.055	1.435	36.45	1967	2927	180	188	201	254	
2/0	4	323/24	16-646100	0.055	1.590	40.39	2447	3641	144	150	161	203	
3/0	3	456/24	16-387180*	0.055	1.605	40.77	2670	3973	209	218	233	313	
3/0	4	456/24	16-664920	0.055	1.845	46.86	3421	5090	167	174	186	250	
4/0	3	551/24	16-382500*	0.055	1.740	44.2	3029	4507	242	252	270	354	
4/0	4	551/24	16-274810	0.055	1.920	48.77	3797	5650	194	202	216	283	
262	3	646/24	16-387190*	0.065	1.860	47.24	3615	5379	283	294	310	395	
262	4	646/24	16-646110	0.065	2.055	52.20	4538	6753	226	235	248	316	
313	3	777/24	16-387200*	0.065	1.975	50.17	4131	6147	309	321	345	442	
313	4	777/24	16-356420	0.065	2.185	55.50	5165	7686	247	257	276	354	
373	3	925/24	16-387210*	0.105	2.120	53.85	4814	7163	361	375	406	492	
373	4	925/24	16-356430	0.105	2.340	59.44	6020	8958	289	300	325	394	
444	3	1110/24	16-387220*	0.105	2.225	56.52	5623	8367	396	411	454	549	
444	4	1110/24	16-296160	0.105	2.460	62.48	7090	10550	317	329	363	439	
Overall Shielded Multi-Conductor (Aluminum/Polymer Tape with Tinned Copper Drain Wire) T-7578													
18	3	19/30		0.030	0.365	9.27	78	116	11	12	13	-	
18	4	19/30	16-669870	0.030	0.395	10.03	93	138	9	10	11	-	
16	3	19/29	16-283060**	0.030	0.380	9.65	81	121	15	16	17	25	
16	4	19/29	16-685060	0.030	0.410	10.41	102	152	12	13	14	22	

* denotes T-75094 Series with a color code of black, white and green
 ** denotes T-75095 Series with a color code of black, white and green

MOR® POLYRAD® XT-125 IEEE 1580 Type P

Multi-Conductor Cable 600V

Product Construction:

Insulation: Polyrad XT-125 Irradiated Cross-Linked Polyolefin (XLPO). Temperature rated @ 125°C for long life, higher ampacities and protection from thermal overloads.

Cable Core: Individual conductors are cabled with fillers when required

Sheath: Black Irradiated Cross-Linked Chlorosulfonated Polyethylene. Enhanced Mud Oil Resistant (MOR) system.

Print: (Including but not limited to)

MOR® POLYRAD® XT-125 (UL) E85994 BR782 110C XX/C XXAWG OR
 TC-ER¹ XHHW OR (CSA) 245/1309 FT4 – 40C SR 600/1000V OR 600V RW90
 XLPE TC² OR IEC 1KV 60332.3A IEEE 1580 TYPE P OR (ETL) 109229 YEAR
 OF MFG SEQUENTIAL FOOTAGE MARK

¹ -ER for 3 conductors or more, unarmored

² CSA Listing - 600V RW90 XLPE TC for 14 AWG and larger, unarmored multi-conductor

Options: Other constructions available upon request.



Multi-Conductor Control Cable



Multi-Conductor Power Cable

MOR® Polyrad® XT-125



Shielded Pairs and Triads Cable 600V

Size	No. of Pairs	Strand	Texcan Part No.	Insulation Thickness	Cable Diameter		Net Weight		Ampacities 45° Ambient-Single Banked			
				Inches	Inches	mm	LBS/ 1000 FT	KG/ KM	95°C	100°C	110°C	125°C
Individually and Overall Shielded Pairs (Aluminum/Polymer Tape with Tinned Copper Drain Wire) T-75198												
18	1	19/30	16-276150	0.030	0.355	9.02	70	104	13	14	15	-
18	3	19/30	16-357570	0.030	0.570	14.48	183	272	9	10	11	-
18	4	19/30	16-357580	0.030	0.625	15.88	215	320	8	9	10	-
18	5	19/30	16-357590	0.030	0.680	17.27	254	378	5	6	7	-
18	6	19/30	16-357600	0.030	0.745	18.92	290	432	5	6	7	-
18	7	19/30	16-357610	0.030	0.745	18.92	310	461	5	6	7	-
18	8	19/30	16-357620	0.030	0.800	20.32	346	515	5	6	7	-
18	10	19/30	16-357630	0.030	0.985	25.02	448	667	5	6	7	-
18	12	19/30	16-357640	0.030	1.015	25.78	504	750	5	6	7	-
16	1	19/29	16-664750	0.030	0.370	9.40	78	116	18	19	20	25
16	2	19/29	16-357690	0.030	0.565	14.35	182	271	12	13	14	22
16	3	19/29	16-357700	0.030	0.600	15.24	205	305	12	13	14	18
16	4	19/29	16-357710	0.030	0.655	16.64	239	356	10	11	12	14
16	5	19/29	16-357720	0.030	0.720	18.29	291	433	7	8	9	14
16	7	19/29	16-357740	0.030	0.780	19.81	351	522	7	8	9	13
16	8	19/29	16-357750	0.030	0.895	22.73	427	635	7	8	9	13
16	10	19/29	16-357760	0.030	1.045	26.54	507	754	7	8	9	9
16	12	19/29	16-357770	0.030	1.075	27.31	580	863	6	7	8	9
16	16	19/29	16-357780	0.030	1.190	30.23	706	1051	6	7	8	9
16	18	19/29	16-386350	0.030	1.295	32.89	783	1165	6	7	8	9
14	1	19/27	16-304630	0.030	0.395	10.03	96	143	30	31	33	39
14	2	19/27	16-357820	0.030	0.620	15.75	231	344	19	20	21	33
14	3	19/27	16-357830	0.030	0.655	16.64	262	390	19	20	21	28
14	4	19/27	16-357840	0.030	0.735	18.67	310	461	17	18	19	22
14	5	19/27	16-357850	0.030	0.790	20.07	374	557	12	13	14	22
14	6	19/27	16-357860	0.030	0.900	22.86	461	686	12	13	14	22
14	7	19/27	16-357870	0.030	0.900	22.86	496	738	12	13	14	20
14	8	19/27	16-357880	0.030	0.985	25.02	557	829	12	13	14	20
14	10	19/27	16-357890	0.030	1.145	29.08	685	1019	12	13	14	14
14	12	19/27	16-357900	0.030	1.185	30.10	752	1119	11	12	13	14
Individually and Overall Shielded Triads (Aluminum/Polymer Tape with Tinned Copper Drain Wire) T-75200												
16	2	19/29	16-358570	0.030	0.639	16.23	229	341	12	13	14	22
16	6	19/29	16-358610	0.030	0.915	23.24	454	676	8	9	10	14

Note: All dimensions are nominal and are subject to normal manufacturing tolerance. Specifications are subject to change without prior notice.

MOR® POLYRAD® XT-125 IEEE 1580 Type P

Shielded Pairs and Triads Cable 600V

Product Construction:

Insulation: Polyrad XT-125 Irradiated Cross-Linked Polyolefin (XLPO). Temperature rated @ 125°C for long life, higher ampacities and protection from thermal overloads.

Cable Core: Individual conductors are cabled with fillers when required

Individual Shielded Pairs/Triads: Aluminum/polymer tape and tinned copper drain wire

Overall Shield: Overall aluminum/polymer tape with tinned copper drain wire

Sheath: Black Irradiated Cross-Linked Chlorosulfonated Polyethylene. Enhanced Mud Oil Resistant (MOR) system.

Print: (Including but not limited to)

MOR® POLYRAD® XT-125 (UL) E85994 BR782 110C XX/PR OR TRI XXAWG OR TC XHHW¹
OR (CSA) 245/1309 FT4 -40C SR 600/1000V OR 600V RW90 XLPE TC² OR IEC 60332.3A
IEEE 1580 TYPE P OR (ETL) 109229 YEAR OF MFG SEQUENTIAL FOOTAGE MARK

¹ TC XHHW for 14 AWG and larger unarmored ² CSA Listing - 600V RW90 XLPE TC for 14 AWG and larger, unarmored multi-conductor



Shielded Paired Cable

Shielded Triad Cable

- Shielded Multi-Conductor Cable

MOR® Polyrad® XT-125



Armoured and Sheathed Multi-Conductor Cable 600V

Size	No. of Conds.	Strand	Texcan Part No.	Insulation Thickness	Cable Diameter		Net Weight		Ampacities 45° Ambient-Single Banked			
				Inches	Inches	mm	LBS/ 1000 FT	KG/ KM	95°C	100°C	110°C	125°C
14	3	19/27	16-279320	0.030	0.595	15.11	265	394	24	25	27	28
14	7	19/27	16-281170	0.030	0.710	18.03	403	600	17	18	19	20
14	20	19/27	16-279180	0.030	1.045	26.54	877	1305	12	13	14	14
12	4	19/25	16-279210	0.030	0.665	16.89	313	466	24	25	26	30
10	4	27/24	16-279230	0.030	0.740	18.80	422	628	31	33	35	39
10	7	27/24	16-316620	0.030	0.895	22.73	628	934	27	29	31	34
Single Conductor Cable 2kV/1000V Heavy Duty												
313	1	777/74	16-357400	0.030	1.175	29.84	1488	2214	439	455	491	617

Size	No. of Pairs.	Strand	Texcan Part No.	Insulation Thickness	Cable Diameter		Net Weight		Ampacities 45° Ambient-Single Banked			
				Inches	Inches	mm	LBS/ 1000 FT	KG/ KM	95°C	100°C	110°C	125°C
16	1	19/29	16-279280	0.030	0.550	13.97	194	289	18	19	20	25
16	2	19/29	16-358210	0.030	0.750	19.05	350	521	12	13	14	22
16	8	19/29	16-358270	0.030	1.110	28.19	829	1234	7	8	9	13
16	12	19/29	16-358290	0.030	1.300	33.02	913	1359	6	7	8	9
14	4	19/29	16-358360	0.030	0.935	23.75	551	820	17	18	19	22

Note: All dimensions are nominal and are subject to normal manufacturing tolerance. Specifications are subject to change without prior notice.

MOR® POLYRAD® XT-125 IEEE 1580 Type P

Armored & Sheathed Multi-Conductor Cable 600V/1000 V

Product Construction:

Insulation: Polyrad XT-125 Irradiated Cross-Linked Polyolefin (XLPO). Temperature rated @ 125°C for long life, higher ampacities and protection from thermal overloads.

Cable Core: Individual conductors are cabled with fillers when required

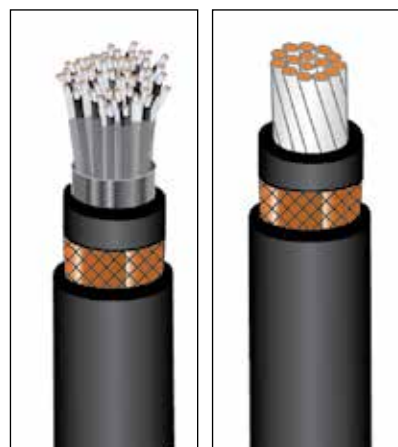
Individual Shielded Pairs/Triads: Aluminum/polymer tape and tinned copper drain wire

Overall Shield: Overall aluminum/polymer tape with tinned copper drain wire

Sheath: Black Irradiated Cross-Linked Chlorosulfonated Polyethylene. Enhanced Mud Oil Resistant (MOR) system.

Armour: Bronze braid 88% minimum coverage

Print: (Including but not limited to)



Armoured and Sheathed Shielded Paired Cable

Armoured and Sheathed Shielded Single Conductor Cable

MOR® POLYRAD® XT-125 (UL) E85994 BR782B 110C XX/CXXAWG OR (CSA) 245/1309 FT4 -40C SR 600/1000V OR IEC 1 KV 60332.3A IEEE 1580 TYPE P OR (ETL) 109229 YEAR OF MFG SEQUENTIAL FOOTAGE MARK

¹ TC XHHW for 14 AWG and larger unarmored ² CSA Listing - 600V RW90 XLPE TC for 14 AWG and larger, unarmored multi-conductor

MRO ELECTRONIC SUPPLY LTD.

Contact MRO for more information at (403)291-0501
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- Shielded Multi-Conductor Cable