

# IEEE 1580 Type P MOR<sup>®</sup> Polyrad<sup>®</sup> XT-125 Armored & Sheathed



## Flexible Multi Conductor Control Armored & Sheathed 18 AWG & 16 AWG 600V/1000V



### Product Construction:

#### 1. Conductor:

- 18 AWG and 16 AWG soft annealed tinned copper flexible strand

#### 2. Insulation:

- Polyrad<sup>®</sup> XT-125 Irradiated Cross-Linked Polyolefin (XLPO)
- Color Code: Per IEEE 1580 Table 22

#### 3. Cable Core:

- Cabled with fillers when required
- Core binder tape when required

#### 4. Sheath:

- Black Irradiated Cross-Linked Chlorosulfonated Polyethylene

#### 5. Armor:

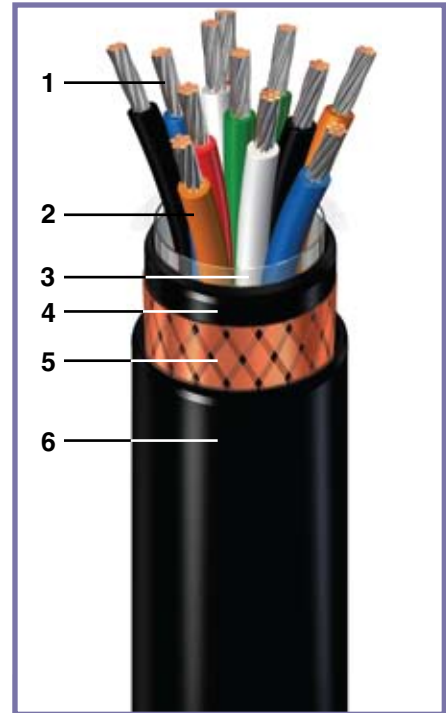
- Bronze braid 88% minimum coverage

#### 6. Sheath:

- Mud Oil Resistant, Black Irradiated Cross-Linked Chlorosulfonated Polyethylene

#### 7. Print: (Including but not limited to)

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



### Applications:

- Offshore oil and gas drilling platforms, MODUs, ships and FPSOs
- Land-based oil and gas drilling rigs
- Suitable for use in Class I, Division 1 and Zone 1 environments

### Features:

- Meets NEK 606 mud oil resistance requirements including ester-based muds
- Meets UL 2225 crush and impact requirements of Type MC-HL cables
- Flexible stranding to facilitate ease of cable installation and termination
- Temperature rated @ 125°C for long life, higher ampacities and protection from thermal overloads
- Meets cold bend test at -55°C
- Meets cold impact test at -40°C

### Compliances:

#### Industry:

- API-RP14F
- CSA C22.2 No. 245 Type X110
- IEEE 1580 Type P
- IEC 60092-3
- NEK 606 for mud oil resistance
- UL 1309 Type X110
- UL Listed 110°C Marine Shipboard Cable

#### Flame Test:

- IEEE 383
- IEEE 1202
- IEC 60332-3-22 Cat. A (supersedes IEC 60332-3A)
- CSA C22.2 No. 0.3 FT4



Offshore and  
Marine Shipboard  
Cables

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**Flexible Multi Conductor Control  
Armored & Sheathed  
18 AWG & 16 AWG  
600V/1000V**



CATALOG NUMBER (T-75126)	# OF CORES	COND. SIZE (AWG)	NOMINAL CABLE DIAMETER		NET WEIGHT		AMPACITIES <sup>1</sup> 45°C AMBIENT-SINGLE BANKED			
			INCHES	mm	LBS/1000 FT	kg/km	95°C	100°C	110°C	125°C
356540	2	18	0.535	13.59	203	302	13	14	15	-
321710	3	18	0.553	14.04	223	332	11	12	13	-
356550	4	18	0.585	14.86	253	377	9	10	11	-
356560	5	18	0.605	15.37	273	406	9	10	11	-
356570	6	18	0.645	16.38	307	457	9	10	11	-
356580	7	18	0.645	16.38	320	476	7	8	9	-
356590	8	18	0.680	17.27	367	546	7	8	9	-
356600	10	18	0.755	19.18	414	616	5	6	7	-
356610	12	18	0.765	19.43	441	656	5	6	7	-
356620	16	18	0.872	22.15	574	854	5	6	7	-
306040	20	18	0.939	23.85	664	988	5	6	7	-
356630	24	18	1.015	25.78	703	1046	4	5	6	-
356640	30	18	1.095	27.81	805	1198	4	5	6	-
356650	37	18	1.165	29.59	1040	1548	4	5	6	-
356660	44	18	1.275	32.38	1201	1787	3	4	5	-
356670	60	18	1.385	35.18	1476	2197	3	4	5	-
356680	91	18	1.605	40.77	2020	3006	3	4	5	-
356690	2	16	0.547	13.89	211	314	18	19	20	22
287750	3	16	0.566	14.37	234	348	15	16	17	18
326110	4	16	0.595	15.10	263	391	12	13	14	14
356700	5	16	0.628	15.96	293	436	12	13	14	14
313850	6	16	0.663	16.84	325	484	12	13	14	14
356710	7	16	0.663	16.84	339	504	10	11	12	13
287740	8	16	0.699	17.75	372	554	10	11	12	13
356720	10	16	0.779	19.79	441	656	7	8	9	9
326080	12	16	0.798	20.26	479	713	7	8	9	9
356730	16	16	0.867	22.01	566	842	7	8	9	9
315790	20	16	0.971	24.66	712	1060	7	8	9	9
281140	24	16	1.051	26.70	816	1214	6	7	8	8
356740	30	16	1.071	27.20	995	1481	6	7	8	8
356750	37	16	1.207	30.66	1121	1668	5	6	7	7
303330	44	16	1.315	33.40	1286	1914	5	6	7	6
281150	60	16	1.440	36.58	1603	2385	5	6	7	6
307870	91	16	1.765	44.83	2394	3563	4	5	6	5

Note: Dimensions and weights are nominal; subject to industry tolerances.  
<sup>1</sup>Reference Ampacity section