



Offshore and  
Onshore RIG  
Cables

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



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



### 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. Jacket:

- Black Irradiated Cross-linked Chlorinated Polyethylene (XL-CPE)

#### 5. Armor:

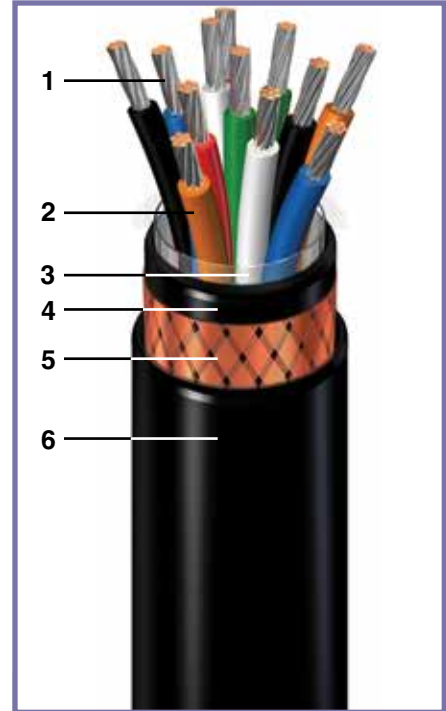
- Bronze braid 88% minimum coverage

#### 6. Sheath:

- Mud Oil-Resistant, Black Irradiated Cross-linked Chlorinated Polyethylene (XL-CPE)

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

- MOR<sup>®</sup> POLYRAD<sup>®</sup> XT-125 (UL) E85994 BR782B 110C XX/C XXAWG -- (CSA) LL 9755 SPEC 245/1309 FT4 -40C SR 600/1000 V -- IEC 1 KV 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 Hazardous Locations when installed in accordance with API-RP14F

### Features:

- Meets NEK 606 mud oil resistance requirements with 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 1580-2010 Type P
- IEC 60092-350
- Mud oil-resistant
- UL 1309 Type X110
- UL Listed 110°C Marine Shipboard Cable

#### Flame Test:

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



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18 AWG & 16 AWG  
600 V/1000 V**



CATALOG NUMBER	# OF CORES	COND. SIZE (AWG)	NOMINAL CABLE DIAMETER		COPPER WEIGHT		NET WEIGHT		AMPACITIES <sup>1</sup> 45°C AMBIENT-SINGLE BANKED			
			INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	95°C	100°C	110°C	125°C
356540	2	18	0.535	13.59	12	18	182	271	13	14	15	-
321710	3	18	0.545	13.84	18	27	196	292	11	12	13	-
356550	4	18	0.575	14.61	24	36	216	321	9	10	11	-
356560	5	18	0.605	15.37	30	45	240	357	9	10	11	-
356570	6	18	0.650	16.51	36	54	264	393	9	10	11	-
356580	7	18	0.650	16.51	42	62	272	405	7	8	9	-
356590	8	18	0.675	17.15	48	71	290	432	7	8	9	-
356600	10	18	0.755	19.18	60	89	345	513	5	6	7	-
356610	12	18	0.765	19.43	72	107	370	551	5	6	7	-
356620	16	18	0.870	22.10	96	143	466	693	5	6	7	-
306040	20	18	0.935	23.75	120	179	536	798	5	6	7	-
356630	24	18	1.005	25.53	144	214	611	909	4	5	6	-
356640	30	18	1.100	27.94	180	268	739	1100	4	5	6	-
356650	37	18	1.155	29.34	222	330	843	1254	4	5	6	-
356660	44	18	1.265	32.13	263	391	972	1446	3	4	5	-
356670	60	18	1.375	34.93	359	534	1196	1780	3	4	5	-
356680	91	18	1.600	40.64	545	811	2020	3006	3	4	5	-
356690	2	16	0.545	13.84	15	22	191	284	18	19	20	22
287750	3	16	0.565	14.35	22	33	207	308	15	16	17	18
326110	4	16	0.595	15.11	30	45	228	339	12	13	14	14
356700	5	16	0.625	15.88	37	55	256	381	12	13	14	14
313850	6	16	0.670	17.02	44	65	283	421	12	13	14	14
356710	7	16	0.670	17.02	52	77	289	430	10	11	12	13
287740	8	16	0.695	17.65	59	88	314	467	10	11	12	13
356720	10	16	0.775	19.69	74	110	373	555	7	8	9	9
326080	12	16	0.800	20.32	89	132	413	615	7	8	9	9
356730	16	16	0.895	22.73	118	176	509	757	7	8	9	9
315790	20	16	1.005	25.53	148	220	628	934	7	8	9	9
281140	24	16	1.085	27.56	177	263	717	1067	6	7	8	8
356740	30	16	1.140	28.96	222	330	817	1216	6	7	8	8
356750	37	16	1.200	30.48	274	408	937	1394	5	6	7	7
303330	44	16	1.325	33.66	325	484	1085	1614	5	6	7	6
281150	60	16	1.440	36.58	444	661	1341	1995	5	6	7	6
307870	91	16	1.765	44.83	722	1074	2394	3562	4	5	6	5

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