



Offshore and
Onshore RIG
Cables

IEEE 1580 Type P MOR[®] Polyrad[®] XT-125, Unarmored



Flexible Triad Signal Cable
Individually/Overall Shielded, Unarmored
600 V/1000 V



Product Construction:

1. Conductor:

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

2. Insulation:

- Polyrad[®] XT-125 Irradiated Cross-linked Polyolefin (XLPO)
- Color Code: Black, white and red with printed numbers

3. Individually Shielded Triads:

- Aluminum/polymer tape and tinned copper drain wire

4. Cable Core:

- Core binder tape when required

5. Overall Shield:

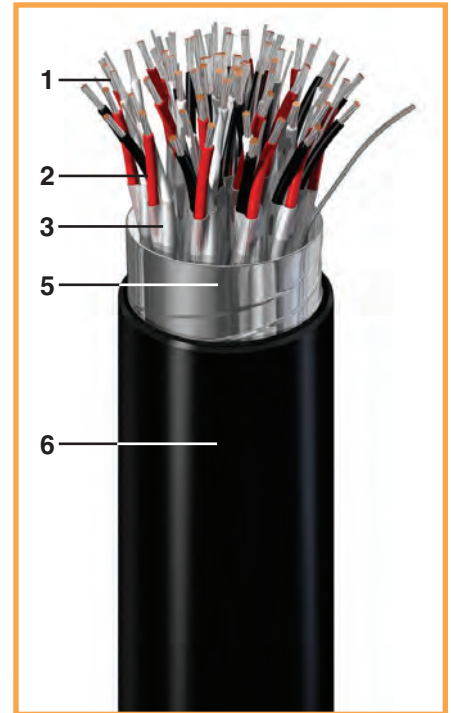
- Overall aluminum/polymer tape with tinned copper drain wire

6. Sheath:

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

7. Print: (Including but not limited to)

- MOR[®] POLYRAD[®] XT-125 (UL) E85994 BR782 110C XX/TRI XXAWG
TC RFHH-2 -- (CSA) LL 9755 SPEC 245/1309 FT4 -40C SR 600/1000 V 600 V XLPE
TC -- IEC 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 2 and Zone 2 environments when installed in accordance with API-RP14F or NEC Article 501

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. 230 Type TC
- 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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CATALOG NUMBER	# OF TRIADS	COND. SIZE (AWG)	NOMINAL CABLE DIAMETER		COPPER WEIGHT		NET WEIGHT		AMPACITIES ¹ 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
358460	1	18	0.375	9.53	22	33	81	121	11	12	13	-
358470	2	18	0.610	15.49	48	71	205	305	8	9	10	-
358480	3	18	0.635	16.13	71	106	229	341	7	8	9	-
358490	4	18	0.695	17.65	93	138	269	400	5	6	7	-
358500	5	18	0.770	19.56	115	171	324	482	5	6	7	-
358510	6	18	0.875	22.23	137	204	403	600	5	6	7	-
358520	7	18	0.875	22.23	160	238	430	640	4	5	6	-
358530	8	18	0.945	24.00	182	271	481	716	4	5	6	-
358540	12	18	1.150	29.21	271	403	643	957	4	5	6	-
358550	16	18	1.275	32.39	360	536	810	1205	3	4	5	-
358560	1	16	0.385	9.78	28	42	90	134	15	16	17	25
358570	2	16	0.630	16.00	61	91	229	341	12	13	14	22
358580	3	16	0.665	16.89	88	131	259	385	11	12	13	18
358590	4	16	0.730	18.54	116	173	305	454	8	9	10	14
358600	5	16	0.800	20.32	143	213	373	555	8	9	10	14
358610	6	16	0.915	23.24	171	254	454	676	8	9	10	14
358620	7	16	0.915	23.24	200	298	488	726	7	8	9	13
358630	8	16	1.000	25.40	227	338	549	817	7	8	9	13
358640	12	16	1.205	30.61	337	501	739	1100	6	7	8	9
358650	16	16	1.335	33.91	448	667	935	1391	5	6	7	9

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