WireXpress

PVC-Nylon/PVC

Product Description
PVC-nylon insulation
PVC jacket
90℃, 600 V

Applications
Designed for power and control, telemetering, relay control, traffic control, switching, lighting and signal transmission. May be used in Class I, Div. 2 and Class II, Div. 2 Hazardous Locations per NEC Art. 501 and 502. These cables also conform to Art. 392 "Cable Trays" and Art 336 "Power and Control Tray Cable."

Specifications
- CONDUCTORS: Class B stranded bare copper per UL 83 and 62
- INSULATION: Polyvinyl Chloride (PVC) per UL 62 for Type TFFN (18-16 AWG) or UL 83 for Type THWN or THHN wire, nominal thickness is 15 mils for sizes 18- 12 AWG and 20 mils for 10 AWG
- INSULATION JACKET: Each insulated conductor is jacketed with nylon meeting UL 62 for Type TFFN or UL 83 for Type THWN or THHN wire, minimum thickness is 4 mils
- COLOR CODE: ICEA Method 1, Table E-2 (formerly K-2)
- ASSEMBLY: Conductors are cabled with fillers where necessary to make round, two conductor cables are flat
- OVERALL JACKET: Sunlight-resistant Polyvinyl Chloride (PVC) per UL 1277
- STANDARDS: Meets UL 1277 requirements for Type TC cables having THWN or THHN (TFFN) conductors, cables are listed for direct burial and meet the IEEE 1202, IEEE 383 and UL 1685 Btu/hr flame tests. Three conductor and larger constructions meet UL 1277 requirements for Exposed Runs and are rated Type TC- ER (Tray Cable, Exposed Runs)
- AMPACITY: Based on not more than three conductors in raceway or cable or earth with an ambient temperature of 30ºC per NEC Table 310.16, the values have been derated where applicable
- TEMPERATURE: 90ºC
- VOLTAGE: 600 V

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Diameters and weights may vary among manufacturers. Other conductor counts available upon request. Composite power and control available upon request. Unless otherwise specifically permitted in the NEC, the overcurrent protection shall not exceed 15 A for 14 AWG, 20 A for 12 AWG and 30 A for 10 AWG. All part numbers require color code designation. See Color Code Chart in the Technical Information section. For Method 1, Table E-1 color code add -1 to Part No. (e.g. 2A-1203-1).

Part No.	Conductor Size AWG	No. of Conductors	Overall Jacket Thickness (in.)	Nom. O.D. (in.)	Approx. Wt. lb./1,000 ft.	Amps per Conductor
2A-1802	18	2	0.045	0.184 x 0.275	41	14
2A-1803	18	3	0.045	0.288	50	14
2A-1804	18	4	0.045	0.312	60	11
2A-1805	18	5	0.045	0.338	71	11
2A-1807	18	7	0.045	0.376	89	9
2A-1810	18	10	0.045	0.438	121	9
2A-1812	18	12	0.045	0.461	156	7
2A-1815	18	15	0.045	0.507	169	7
2A-1819	18	19	0.06	0.578	220	7
2A-1837	18	37	0.06	0.76	390	7
2A-1602	16	2	0.045	0.202 x 0.330	49	18
2A-1603	16	3	0.045	0.312	66	18
2A-1604	16	4	0.045	0.333	79	14
2A-1605	16	5	0.045	0.368	94	14
2A-1606	16	6	0.045	0.399	109	14
2A-1607	16	7	0.045	0.399	118	12
2A-1608	16	8	0.045	0.43	133	12
2A-1609	16	9	0.045	0.461	147	12
2A-1612		12	0.045	0.505	178	9
2A-1615	16	15	0.06	0.587	243	9
2A-1619	16	19	0.06	0.633	296	9
2A-1625	16	25	0.06	0.723	376	8
2A-1630	16	30	0.06	0.775	456	8
2A-1637	16	37	0.06	0.877	580	7
2A-1402	14	2	0.045	0.208 x 0.323	64	25
2A-1403	14	3	0.045	0.34	87	25
2A-1404	14	4	0.045	0.37	107	20
2A-1405	14	5	0.045	0.403	129	20
2A-1406	14	6	0.045	0.438	147	20
2A-1407	14	7	0.045	0.438	162	17
2A-1408	14	8	0.045	0.473	184	17
2A-1409	14	9	0.045	0.508	221	17
2A-1410	14	10	0.06	0.56	237	12
2A-1412	14	12	0.06	0.588	281	12
2A-1415	14	15	0.06	0.646	340	12
2A-1419	14	19	0.06	0.698	408	12
2A-1425	14	25	0.06	0.791	520	11
2A-1430	14	30	0.08	0.899	666	11

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Part No.	Conductor Size AWG	No. of Conductors	Overall Jacket Thickness (in.)	Nom. O.D. (in.)	Approx. Wt. lb./1,000 ft.	Amps per Conductor
2A-1437	14	37	0.08	0.968	794	10
2A-1202	12	2	0.045	0.227 x 0.361	83	30
2A-1203	12	3	0.045	0.381	113	30
2A-1204	12	4	0.045	0.415	145	24
2A-1205	12	5	0.045	0.454	175	24
2A-1206	12	6	0.045	0.495	199	24
2A-1207	12	7	0.045	0.495	223	21
2A-1208	12	8	0.045	0.566	268	21
2A-1209	12	9	0.06	0.606	304	21
2A-1212	12	12	0.06	0.665	388	15
2A-1219	12	19	0.06	0.793	581	15
2A-1220	12	20	0.06	0.817	647	15
2A-1225	12	25	0.08	0.951	779	13
2A-1230	12	30	0.08	1.02	988	13
2A-1237	12	37	0.08	1.101	1,134	12
2A-1002	10	2	0.045	0.262 x 0.431	115	40
2A-1003	10	3	0.045	0.456	167	40
2A-1004	10	4	0.045	0.5	212	32
2A-1005	10	5	0.06	0.579	269	32
2A-1007	10	7	0.06	0.63	352	28
2A-1009	10	9	0.06	0.733	445	28
2A-1012	10	12	0.06	0.807	579	20