

RUS/REA PE-89 Design

Product Description

For use in exchange and campus areas, direct buried or installed in-duct. Suitable for voice frequency use on all pairs and carrier frequency, both analog and digital, on a selected pair assignment basis. For full pair utilization at carrier frequencies, a core-dividing screen is required.

Specifications

- Solid, annealed, bare copper conductors
- Conductor insulation is foamed polyolefin with a solid skin of the same material. Color-coded to telephone industry standards
- Insulated conductors are twisted into pairs of varying lengths of lay to minimize crosstalk
- Pairs are stranded into units (and super units, if required by pair count)
- The cable core is filled with a waterproofing compound and wrapped with a non-hygroscopic core tape
- Specifications permit six varieties of shielding, four of which are considered gopher-resistant
- A flooding compound is applied over the core and to all surfaces of the shield/armor to resist moisture entry and corrosion
- The cable is finished with a black polyethylene jacket which is sequentially printed with footage marker at regular intervals

Technical Information & Standards

- Cables with DFC suffix conform to ANSI ICEA 7CFR-1755-890.
- Cables with DFO suffix conform to ANSI ICEA 7CFR-1755-089.

Standard Cables

A 0.008 in. coated aluminum black polyethylene (SEALPIC-FSF) (Part No. suffix DFC)

Part No.	No. of Pairs	AWG	Approx. Wt. lb./1,000 ft.	Nom. O.D. (in.)
E-000624DFC	6	24	61	0.36
E-001224DFC	12	24	91	0.43
E-002524DFC	25	24	156	0.54
E-005024DFC	50	24	260	0.67
E-010024DFC	100	24	476	0.89
E-015024DFC	150	24	679	1.05
E-020024DFC	200	24	894	1.21
E-030024DFC	300	24	1,264	1.39
E-040024DFC	400	24	1,688	1.63

Part No.	No. of Pairs	AWG	Approx. Wt. lb./1,000 ft.	Nom. O.D. (in.)
E-060024DFC	600	24	2,471	1.94
E-090024DFC	900	24	3,638	2.33
E-120024DFC	1200	24	4,867	2.73
E-150024DFC	1500	24	6,045	3.06
E-000622DFC	6	22	78	0.4
E-001222DFC	12	22	122	0.48
E-002522DFC	25	22	214	0.62
E-005022DFC	50	22	395	0.83
E-010022DFC	100	22	711	1.08
E-020022DFC	200	22	1,325	1.43
E-030022DFC	300	22	1,933	1.71

Gopher-Resistant Cables

A polymer-coated aluminum shield/polymer-coated steel armor and black polyethylene jacket (CASPIC-FSF) (Part No. suffix DFO). Other pair counts and AWG are available.

Part No.	No. of Pairs	AWG	Approx. Wt. lb./1,000 ft.	Nom. O.D. (in.)
E-000624DFO	6	24	87	0.39
E-001224DFO	12	24	125	0.46
E-002524DFO	25	24	196	0.57
E-005024DFO	50	24	319	0.71
E-010024DFO	100	24	540	0.91
E-020024DFO	200	24	1,013	1.26
E-040024DFO	400	24	1,809	1.64
E-060024DFO	600	24	2,642	1.97
E-120024DFO	1200	24	5,120	2.77

Part No.	No. of Pairs	AWG	Approx. Wt. lb./1,000 ft.	Nom. O.D. (in.)
E-000622DFO	6	22	107	0.43
E-001222DFO	12	22	158	0.51
E-002522DFO	25	22	263	0.65
E-005022DFO	50	22	463	0.86
E-020022DFO	200	22	1,468	1.48
E-030022DFO	300	22	2,063	1.72