

# Product Data Sheet

## 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. (See T1 cables.)

### 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

### Tech. Info & 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)

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Anixter No.	No. of Pairs	AWG	Approx. Wt. lb./1,000 ft.	Nom. O.D. (in.)
E-000624DFC	6	24	61	0.360
E-001224DFC	12	24	91	0.430
E-002524DFC	25	24	156	0.540
E-005024DFC	50	24	260	0.670
E-010024DFC	100	24	476	0.890
E-015024DFC	150	24	679	1.050
E-020024DFC	200	24	894	1.210
E-030024DFC	300	24	1,264	1.390
E-040024DFC	400	24	1,688	1.630
E-060024DFC	600	24	2,471	1.940
E-090024DFC	900	24	3,638	2.330
E-120024DFC	1200	24	4,867	2.730
E-150024DFC	1500	24	6,045	3.060
E-000622DFC	6	22	78	0.400
E-001222DFC	12	22	122	0.480
E-002522DFC	25	22	214	0.620
E-005022DFC	50	22	395	0.830
E-010022DFC	100	22	711	1.080
E-020022DFC	200	22	1,325	1.430
E-030022DFC	300	22	1,933	1.710

## 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.

Anixter No.	No. of Pairs	AWG	Approx. Wt. lb./1,000 ft.	Nom. O.D. (in.)
E-000624DFO	6	24	87	0.390
E-001224DFO	12	24	125	0.460
E-002524DFO	25	24	196	0.570
E-005024DFO	50	24	319	0.710
E-010024DFO	100	24	540	0.910
E-020024DFO	200	24	1,013	1.260
E-040024DFO	400	24	1,809	1.640
E-060024DFO	600	24	2,642	1.970
E-120024DFO	1200	24	5,120	2.770
E-000622DFO	6	22	107	0.430
E-001222DFO	12	22	158	0.510
E-002522DFO	25	22	263	0.650
E-005022DFO	50	22	463	0.860
E-020022DFO	200	22	1,468	1.480
E-030022DFO	300	22	2,063	1.720