
Section H

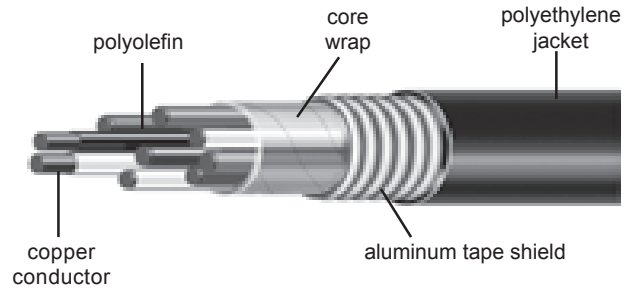
Outside Plant Communication Cable

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**Specification
HW350**

TELEPHONE CABLE

**Aerial and Duct
RUS / REA Specification PE-22
Copper Conductors**



Outside Plant Communication

Catalog No.	Size AWG	No. of Pairs	Outside Diameter inch	Net Weight Lbs/Mft
HW350 01906	19	6	.54	108
HW350 01912	19	12	.66	180
HW350 01925	19	25	.82	325
HW350 01950	19	50	1.06	593
HW350 02206	22	6	.46	69
HW350 02212	22	12	.54	109
HW350 02225	22	25	.66	184
HW350 02250	22	50	.82	324
HW350 22100	22	100	1.06	589
HW350 02406	24	6	.38	54
HW350 02412	24	12	.46	81
HW350 02425	24	25	.53	132
HW350 02450	24	50	.67	225
HW350 24100	24	100	.87	401

Application:

For use in aerial applications when supported by a messenger or in pressurized ducts.

Conductors:

Solid soft bare annealed copper. Individual conductors are twisted into pairs with varying lay lengths to minimize crosstalk.

Insulation:

Solid polyolefin

Core Wrap:

Non-hygroscopic, dielectric tape with overlap

Shield:

Corrugated, copolymer coated, 8-mil aluminum tape longitudinally applied with overlap.

Jacket:

Black, sunlight-resistant, linear low-density polyethylene

Color Code:

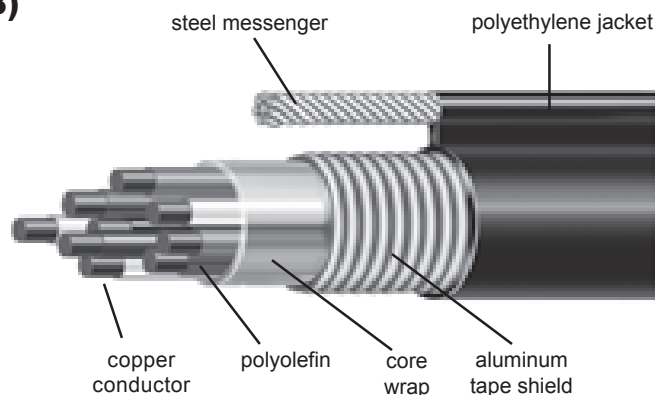
Color code chart 5

Additional Standards:

ANSI/ICEA S-85-625-1996 (formerly REA PE-22)

TELEPHONE CABLE

**Self-Supporting Cable (Figure 8)
RUS / REA Specification PE-38
Copper Conductors**



Outside Plant Communication

Catalog No.	Size AWG	No. of Pairs	Outside Diameter inch	Net Weight Lbs/Mft
HW351 01906	19	6	.96	272
HW351 01912	19	12	1.08	343
HW351 01925	19	25	1.28	496
HW351 01950	19	50	1.56	765
HW351 02206	22	6	.88	232
HW351 02212	22	12	.96	270
HW351 02225	22	25	1.08	345
HW351 02250	22	50	1.28	492
HW351 02406	24	6	.84	217
HW351 02412	24	12	.88	243
HW351 02425	24	25	.99	293
HW351 02450	24	50	1.13	383

Application:

For use in aerial installations as a self-supporting cable that is an integral combination of a support member (messenger) and the cable core. The parallel configuration of the messenger and cable core create a cross-sectional area resembling a figure 8.

Conductors:

Solid soft bare annealed copper. Individual conductors are twisted into pairs with varying lay lengths to minimize crosstalk.

Insulation:

Solid polyolefin

Core Wrap:

Non-hygroscopic, dielectric tape with overlap

Shield:

Corrugated, copolymer coated, 8-mil aluminum tape longitudinally applied with overlap.

Support Member:

¼ inch 7-strand extra high strength (EHS) galvanized steel messenger. The messenger is flooded to inhibit corrosion.

Jacket:

Black, sunlight-resistant, linear low-density polyethylene

Color Code:

Color code chart 5

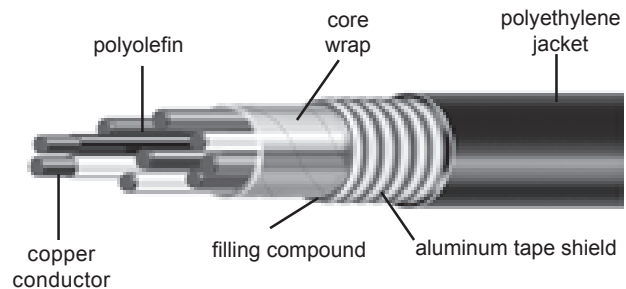
Additional Standards:

ANSI/ICEA S-85-625-1996 (formerly REA PE-38)

**Specification
HW352**

TELEPHONE CABLE

**Filled, Direct Burial
RUS / REA Specification PE-39
Copper Conductors**



Outside Plant Communication

Catalog No.	Size AWG	No. of Pairs	Outside Diameter inch	Net Weight Lbs/Mft
HW352 01906	19	6	.63	154
HW352 01912	19	12	.79	262
HW352 01925	19	25	1.05	479
HW352 01950	19	50	1.37	894
HW352 02206	22	6	.47	93
HW352 02212	22	12	.59	149
HW352 02225	22	25	.75	259
HW352 02250	22	50	.99	457
HW352 22100	22	100	1.29	835
HW352 02406	24	6	.41	71
HW352 02412	24	12	.51	108
HW352 02425	24	25	.63	180
HW352 02450	24	50	.83	310
HW352 24100	24	100	1.05	555

Application: For use in wet environments where protection from moisture is required. Approved for direct burial, duct or aerial installations when supported by a messenger.

Conductors: Solid soft bare annealed copper. Individual conductors are twisted into pairs with varying lay lengths to minimize crosstalk.

Insulation: Solid polyolefin

Filling Compound: Cable core is filled with an extended thermoplastic rubber (ETPR) filling the interstices between the pairs and under the core tape.

Core Wrap: Non-hygroscopic, dielectric tape with overlap

Shield: Corrugated, copolymer coated, 8-mil aluminum tape longitudinally applied with overlap. The shield interfaces are flooded with an adhesive compound to provide a moisture barrier and inhibit corrosion.

Jacket: Black, sunlight-resistant, linear low-density polyethylene

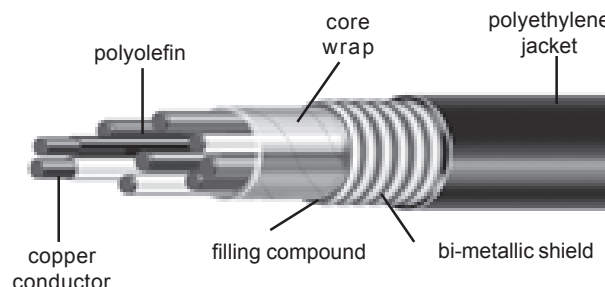
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Additional Standards:

- ANSI/ICEA S-84-608-1994
- RUS 7 CFR 1755.390 (formerly REA PE-39)

TELEPHONE CABLE

**Filled, Direct Burial, Rodent Resistant
RUS / REA Specification PE-39
Copper Conductors**



Outside Plant Communication

Catalog No.	Size AWG	No. of Pairs	Outside Diameter inch	Net Weight Lbs/Mft
HW353 01906	19	6	.63	173
HW353 01912	19	12	.79	285
HW353 01925	19	25	1.05	513
HW353 01950	19	50	1.37	940
HW353 02206	22	6	.47	107
HW353 02212	22	12	.59	167
HW353 02225	22	25	.75	283
HW353 02250	22	50	.99	490

Application:

For use in wet environments where protection from moisture and rodents is required. Approved for direct burial, duct or aerial installations when supported by a messenger.

Conductors:

Solid soft bare annealed copper. Individual conductors are twisted into pairs with varying lay lengths to minimize crosstalk.

Insulation:

Solid polyolefin

Filling Compound:

Cable core is filled with an extended thermoplastic rubber (ETPR) filling the interstices between the pairs and under the core tape.

Core Wrap:

Non-hygroscopic, dielectric tape with overlap

Shield:

Corrugated, rodent resistant copper alloy or copper clad steel tape longitudinally applied with overlap. The shield interfaces are flooded with an adhesive compound to provide a moisture barrier and inhibit corrosion.

Jacket:

Black, sunlight-resistant, linear low-density polyethylene

Color Code:

Color code chart 5

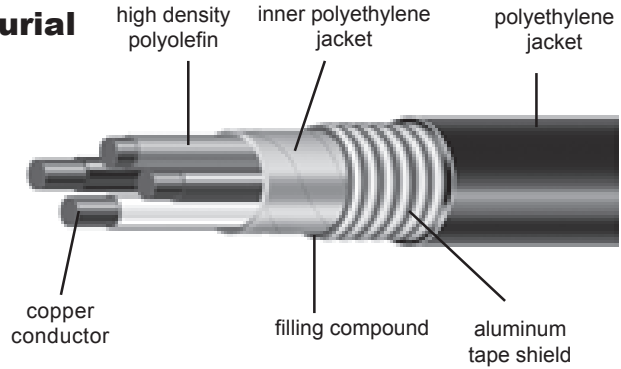
Additional Standards:

- ANSI/ICEA S-84-608-1994
- RUS 7 CFR 1755.390 (formerly REA PE-39)

**Specification
HW354**

TELEPHONE CABLE

**Filled, Double Jacketed, Direct Burial
RUS / REA Specification PE-86
Copper Conductors**



Outside Plant Communication

Catalog No.	Size AWG	No. of Pairs	Outside Diameter inch	Net Weight Lbs/Mft
HW354 01902	19	2	.37	59
HW354 01903	19	3	.43	79
HW354 02202	22	2	.31	40
HW354 02203	22	3	.33	49

Application:

For use in wet environments where protection from moisture is required in distribution circuits and service entrance. Approved for direct burial, duct or aerial installations when supported by a messenger.

Conductors:

Solid soft bare annealed copper. Individual conductors are twisted into pairs with varying lay lengths in order to minimize crosstalk.

Insulation:

Solid high density-polyolefin

Filling Compound:

Cable core is filled with an extended thermoplastic rubber (ETPR) filling the interstices between the pairs.

Inner Jacket:

Black, linear low-density polyethylene

Shield:

Smooth, copolymer coated, 8-mil aluminum tape longitudinally applied over the inner jacket.

Jacket:

Black, sunlight-resistant, linear low-density polyethylene

Color Code:

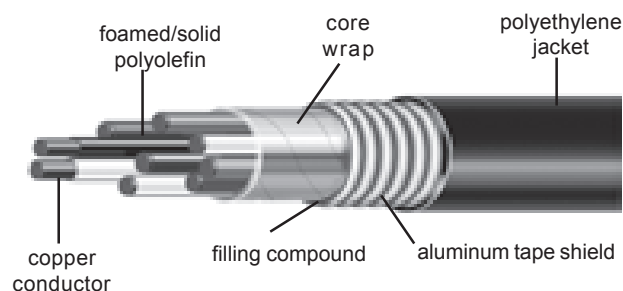
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Additional Standards:

- ANSI/ICEA S-86-634-1996
- BDW G, RUS PE-86

TELEPHONE CABLE

**Filled, Direct Burial
RUS / REA Specification PE-89
Copper Conductors**



Outside Plant Communication

Catalog No.	Size AWG	No. of Pairs	Outside Diameter inch	Net Weight Lbs/Mft
HW355 01906	19	6	.55	127
HW355 01912	19	12	.65	211
HW355 01925	19	25	.86	382
HW355 01950	19	50	1.13	693
HW355 02206	22	6	.45	82
HW355 02212	22	12	.53	130
HW355 02225	22	25	.67	221
HW355 02250	22	50	.85	386
HW355 22100	22	100	1.13	701
HW355 02406	24	6	.39	64
HW355 02412	24	12	.44	96
HW355 02425	24	25	.57	157
HW355 02450	24	50	.73	266
HW355 24100	24	100	.93	472
HW355 24200	24	200	1.21	864
HW355 24300	24	300	1.42	1273

Application: For use in wet environments where protection from moisture is required. Approved for direct burial, duct or aerial installations when supported by a messenger.

Conductors: Solid soft bare annealed copper. Individual conductors are twisted into pairs with varying lay lengths to minimize crosstalk.

Insulation: Dual layer of foamed polyolefin and solid polyolefin.

Filling Compound: Cable core is filled with an extended thermoplastic rubber (ETPR) filling the interstices between the pairs and under the core tape.

Core Wrap: Non-hygroscopic, dielectric tape with overlap

Shield: Corrugated, copolymer coated, 8-mil aluminum tape longitudinally applied with overlap. The shield interfaces are flooded with an adhesive compound to provide a moisture barrier and inhibit corrosion.

Jacket: Black, sunlight-resistant, linear low-density polyethylene

Color Code: Color code chart 5

Additional Standards:

- ANSI/ICEA S-84-608-1994
- RUS 7 CFR 1755.890 (formerly REA PE-89)

