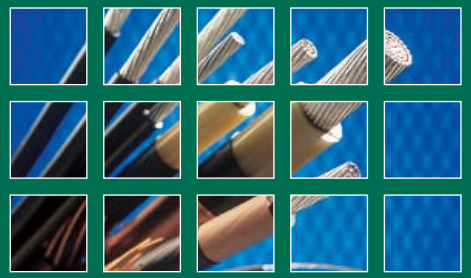
PRYSMIAN
CABLES & SYSTEMS

600 Volt ECOSAFE™



2011.03.23

Description

Single conductor 600 Volt RHH/RHW-2/USE-2/LS non-halogenated cable with stranded copper conductors, extruded insulation system consisting of a thermosetting polyolefin inner insulation, and a black thermosetting polyolefin outer insulation.

Specifications	Ratings
ICEA ICEA S-95-658	Type II EPR
ICEA ICEA S-105-692	Type II EPR
ICEA ICEA T-29-520	210,000 Btu Vertical Flame Test (1/0 AWG and Larger)
UL UL 44	Type RHH/RHW-2, Class XL LS (Low Smoke) VW-1 For CT USE (1/0 AWG and Larger) Oil Resistance II Sunlight Resistant

Specifications	Ratings (continued)
UL UL 854	Type USE-2
UL UL Subject 758	AWM 105°C (Style 3167 and 3578)
UL UL Subject 509	Miscellaneous Wire for Telephone Central Office
IEEE IEEE 1202 Flame Test	(1/0 AWG and Larger)
IEEE IEEE 383 Flame Test	(1/0 AWG and Larger)
CSA CSA C22.2 No. 0.3	FT-1 (#6 AWG and Larger) FT-4
CSA CSA C22.2 No. 210.2	AWM Class I, Group A/B, Rated 105°C
Bellcore GR-347-CORE	
Lucent WP-93811	

90°C Wet or Dry Operation.

Design Parameters

Conductor

- Annealed, Class B, concentric compressed, round, bare copper strand as standard. Other optional strandings per ASTM are available for increased flexibility.

Insulation

- A dual-layer product where the inner and outer layers are co-extruded, resulting in a tightly bonded system. The inner layer utilizes an EPR-based compound and is optimized for superior electrical properties. The outer layer is EVA-based and is specifically formulated to provide a rugged outer covering, with the additional benefits of limited-smoke and halogen-free materials. Both layers are cross-linked polyolefins.

Options

- Class C, Class D, Class G and Class I conductor strandings per ASTM
- Tin-coated conductor
- Type RW90 (-40°C, Outdoor) per CSA C22.2 No. 38-95

Installations

- Conduit in Air
- Direct Buried
- Underground Duct
- In Cable Tray
- Wet Locations
- Dry Locations
- Isolated in Air

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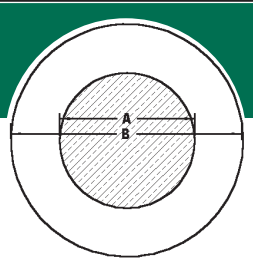

Product Number	†Conductor	Insulation Thickness (mils)	Conductor Diameter (A)		Overall Diameter (B)		Cable Weight (lbs/kft)	† Ampacity (Amps)
			(in.)	(mm)	(in.)	(mm)		90°C In Free Air
600 Volt Copper								
QFØ84ØA	8 AWG CU	60	0.143	3.63	0.26	6.60	79	80
QF184ØA	6 AWG CU	60	0.180	4.57	0.30	7.62	116	105
QF284ØA	4 AWG CU	60	0.226	5.74	0.35	8.89	171	140
QF484ØA	2 AWG CU	60	0.284	7.21	0.40	10.16	256	190
QF684ØA	1 AWG CU	80	0.324	8.23	0.51	12.95	338	220
QF884ØA	1/0 AWG CU	80	0.364	9.25	0.52	13.21	410	260
QF984ØA	2/0 AWG CU	80	0.408	10.36	0.57	14.48	505	300
QFA84ØA	3/0 AWG CU	80	0.458	11.63	0.62	15.75	622	350
QFB84ØA	4/0 AWG CU	80	0.515	13.08	0.67	17.02	767	405
QFC84ØA	250 MCM CU	95	0.561	14.25	0.77	19.56	918	455
QFD84ØA	350 MCM CU	95	0.664	16.87	0.85	21.59	1243	570
QFE84ØA	500 MCM CU	95	0.794	20.17	0.98	24.89	1735	700
QFF84ØA	750 MCM CU	110	0.974	24.74	1.19	30.23	2583	885

Information Subject to Change without Notice.

PRODUCT NOTES:

▲ Items are Prysmian authorized stock.

The above dimensions are approximate and subject to normal manufacturing tolerances.

All metric (SI) dimensions are derived from a soft conversion.

Insulation thickness shown per ICEA S-95-658.

†Ampacities are based on the following:

In Free Air (NEC Table 310-17): Single-insulated conductor, 90°C conductor operating temperature, and 30°C ambient temperature.

In Cable Tray (NEC Article 318-11): For single-conductor cables installed in accordance with NEC Article 318-9, ampacities shall not exceed the allowable ampacities stated in NEC Table 310-17.

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