

D E S C R I P T I O N

PRODUCT COVERED:

Unlisted Component - Appliance Coupler, Cat. Nos. 002, 003, 005, 011, 012, 013, 014, 015, 020, 021, 022, 052, 053, 054, 055, 056, 057, 068, 069, 070, **080**.

ELECTRICAL RATINGS:

Cat. No.	Cord AWG	Amperes	Volts
002, 003, 005, 020, 021, 022	18, 16, 14	10, 13, 15	250
011, 012, 014	18, 16, 14, 12	10, 13, 18, 20	250
052, 053, 055, 056, 057	18, 17, 16, 15, 14	10, 12, 13, 15, 15	250
054	18	2.5	125/250
		7	125
013, 015, 068, 069, 070	18, 17, 16, 15, 14, 13, 12	10, 12, 13, 16, 18, 20, 20	125/250
080	18	10, 7	125

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

For use only in applicant's cord sets, and power supply cords where the acceptability is determined by Underwriters Laboratories Inc.

Conditions of Acceptability -

1. These devices have been evaluated when molded on the specific conductor size, and cord type specified in this Procedure.
2. Use with any other size or type cord may require additional evaluation.
3. These fittings should be used only within their electrical rating.

CAT. NOS. 002, 003, AND 005

Line and Grounding Contacts - (3), not visible, see Vol. 1C, Sec. 2, Page 2. Molded into body.

* Body - R/C (QMFZ2), Teknor Apex 4112 or 77W115B, PVC, overall length including cord entry. See ILL. 1 for details.

Alternate - Same, except Sylvin 9604-85 and 9604-95.

Cord - CN or Listed, 18/3 SVT, SJT, SJTO, SJEOW, SEOW, 16/3 SVT, SJT, SJTO, SJEOW, SEOW, 14/3 SJT, SJTO, SJEOW, SEOW, non-shielded or shielded flexible cord.

Marking - See Section General.

Inner Body - AMOCO 1046 RPP, 1058 or R/C (QMFZ2), the Gitto/Global, Type GPP 1001M. See ILL. 4 for 002 and 003. See ILL. 5 for 005.

CAT. NOS. 020, 021, AND 022

General - Same as 002, 003, and 005, respectively, except only line contacts and opening used. Contacts for 020 and 021, see ILL. 4, see ILL. 5 for 022.

CAT. NO. 011

General - The general design, shape and arrangement shall be as illustrated, except where variations are specifically described.

1. Body - R/C - Plastics (QMFZ2), PVC, Type Apex 77W115B, by Teknor Apex, minimum 3/32 in. thick over live-parts. Contacts recessed 0.275 in. in rectangular openings 0.275 in. wide by 0.14 in. high. See ILL. 2 for dimensional details.

Alternate - Same, except Sylvin 9604-85 and 9604-95.

Inner Body - R/C - Plastics (QMFZ2), 30% glass filled polypropylene, Type RTP 105CC FR or Polybutylene Terephthalate (PBT) glass reinforced Type RTP 1005 FRA, manufactured by RTP Co (E84658) or "LONGLITE" 4130(a) by Chang Chun Plastics Co Ltd (E59481). One piece construction, overall dimensions, see ILL. 2.

- Contact Bridge - R/C - Plastic (QMFZ2), 30% mineral filled polypropylene, Type RTP 105CC FR or Polybutylene Terephthalate (PBT) glass reinforced Type RTP 1005 FRA, manufactured by RTP Co (E84658) or Type RPP 1174, manufactured by A. Schulman, or "LONGLITE" 4130(a) by Chang Chun Plastics Co Ltd (E59481) one piece construction, overall dimensions, see ILL. 2.

Alternate Inner Body and Contact Bridge - R/C (QMFZ2), PBT molded, Type 4130 (a), Chang Chun Plastics Co Ltd, (E59481), only use with 18, 16 and 14 AWG. See ILL. 13 for dimensional details.

2. Line/Ground Contacts - See Vol. 1C, Section 2, Page 3.
3. Cord - USR - Listed, No. 18/3, 16/3, 14/3 or 12/3 SJT, SJTW, STO or SEOW, non-shielded or shielded flexible cord. CNR - C-UL or CSA Certified, No. 18/3, 16/3, 14/3 or 12/3 SJT, SJTW, STO or SEOW or SJEOW, non-shielded or shielded flexible cord.
4. Marking - See Section General.

CAT NOS. 012, AND 014

General - Same as **Cat. No.** 011, except cord exit, see ILL. 3.

CAT. NOS. 052, 053, 055, 056, 057

General - The general design, shape and arrangement shall be as illustrated, except where variations are specifically described. Cat. Nos. 052, 053, 055, 056, 057 are similar except that the cord entries are at different angles. See ILLs. 6 (Cat. No. 052), 7 (Cat. No. 053), 8 (Cat. No. 055), 9 (Cat. No. 056), 10 (Cat. No. 057) for details.

- *1. Body - R/C - Plastics (QMFZ2), PVC, Type 4112, or 77W115B, by Teknor Apex, minimum 3/32 in. thick over live-parts. Contacts recessed 4.00 mm.

Alternate - Same as above except Sylvin **9604-85**, **9684-95** and 9604-95.

Inner Body - Completely overmolded by the body material. See ILL. 11 for 18 & 16 AWG and ILL. 12 for 14-18 AWG.

2. Line/Ground Contacts - Copper alloy, U-shaped.

Overall dimensions: 25 mm long including electrical connection, 5.1 mm height, 2.8 mm wide, 0.25 mm thick. Contacts are crimped to conductor. For 18 & 16 AWG, crimp length are 2.1 mm & 1.6 mm. For 14 AWG, crimp length is 5.1 mm.

3. Cord - Listed, No. 18/3 SVT, SVTO, SVTOO, SJT, SJTW, SJTO, SJTOW, SJTOO, SJTOOW, SJE, SJEW, SJEO, SJEOW, SJEOO, SJEOOW, SE, SEW, SEO, SEOW, SEOO, SEOOW, 17/3 SVT, SVTO, SVTOO, SJT, SJTW, SJTO, SJTOW, SJTOO, SJTOOW, SJE, SJEW, SJEO, SJEOW, SJEOO, SJEOOW, SE, SEW, SEO, SEOW, SEOO, SEOOW, 16/3 SVT, SVTO, SVTOO, SJT, SJTW, SJTO, SJTOW, SJTOO, SJTOOW, SJE, SJEW, SJEO, SJEOW, SJEOO, SJEOOW, SE, SEW, SEO, SEOW, SEOO, SEOOW, 15/3 SJT, SJTW, SJTO, SJTOW, SJTOO, SJTOOW, SJE, SJEW, SJEO, SJEOW, SJEOO, SJEOOW, SE, SEW, SEO, SEOW, SEOO, SEOOW, 14/3 SJT, SJTW, SJTO, SJTOW, SJTOO, SJTOOW SJE, SJEW, SJEO, SJEOW, SJEOO, SJEOOW, SE, SEW, SEO, SEOW, SEOO, SEOOW.
4. Heat Shrink Tubing - (Optional) Any R/C (YDPU2), flame class VW-1 or better, maximum recovered internal diameter is approximately 12mm. See Fig. 1 for assembly.
5. Marking - See Section General.

CAT. NO. 054 - FIG. 2

General - The general design, shape and arrangement shall be as illustrated, except where variations are specifically described.

1. Body - R/C (QMFZ2), PVC, Type APEX 77W115B or APEX 4112 by Teknor Apex Co (E54709). See ILL. 14 for dimensional details.
2. Contact Holder - R/C (QMFZ2), Polyamide 66 (PA66), Type N602G30 by Shinkong Synthetic Fibers Corp (E107536). See FIG. 2A and ILL. 14A for dimensional details.

Alternate - R/C (QMFZ2), Polyamide 66 (PA66), VAMPAMID 66 2526 V0(e)(f) by Vamp-Tech Spa (E140692). See ILL 14D for dimensional details

3. Line/Neutral Contacts - Tubular, Copper alloy, 0.4 mm thick. Contacts are crimped to conductor, crimp length 3.8 mm. See ILL. 14B for dimensional details.
4. Ground Contact - Tubular, Copper alloy, 0.4 mm thick. Contacts are crimped to conductor, crimp length 3.8 mm. See ILL. 14C for dimensional details.
5. Cord - Flexible cord, Listed (ZJCZ/7), 18/3 AWG Types SPT-2, SVT, SVTO, SVTOO, SJT, SJTW, SJTO, SJTOW, SJTOO, SJTOOW flexible cord.
6. Marking - See Sec. Gen.

CAT. NO. 068 - FIG. 3

General - The general design, shape and arrangement shall be as illustrated, except where variations are specifically described.

1. Body - R/C (QMFZ2), PVC, Type APEX 77W115B or APEX 4112 by Teknor Apex Co (E54709). See ILL. 15 for dimensional details.
2. Inner Body - R/C (QMFZ2), PBT, Type 4130-104FE by Chang Chun Plastics Co., Ltd.; completely over-molded by the body material. See ILL. 15A and Fig 3A.

Alternate Inner Body (for 12 AWG cords only) - Same as above, completely over molded by the body material, See ILL. 15C for details.

3. Line/Neutral Contacts - Tubular, Copper alloy, 0.45 mm thick. Contacts are crimped to conductor, crimp length 4.0 mm. See ILL. 15B for dimensional details.

Alternate Line/Neutral Contacts (for 12 AWG cords only) - Tubular, Copper alloy, 0.45 mm thick. Contacts are crimped to conductor, crimp length 4.0 mm. See ILL. 15D for dimensional details.

4. Ground Contact - Tubular, Copper alloy, 0.45 mm thick. Contacts are crimped to conductor, crimp length 4.0 mm. See ILL. 15B for dimensional details.

Alternate Grounding Contact (for 12 AWG cords only) - Tubular, Copper alloy, 0.45 mm thick. Contacts are crimped to conductor, crimp length 4.0 mm. See ILL. 15D for dimensional details.

5. Cord - Flexible cord, Listed (ZJCZ/7), 18/3, 17/3, 16/3, 15/3, 14/3 13/3, and 12/3 AWG Types SJT, SJTO, SJTOO, SJTW, SJTOW, SJTOOW, ST, STO, STOO, STW, STOW, STOOW, SJE, SJEO, SJEOO, SJEW, SJEOW, SJEOOW, SE, SEO, SEOO, SEW, SEOW, SEOOW flexible cord.
6. Marking - See Sec. Gen.

CAT. NOS. 069, 070

General -Cat. Nos. 069 and 070 are the same as 068 except for direction of cord exit, right angle to the left and right, and longer cord exit, see Ills 16 and 17.

CAT. NO. 013, 015

General - Cat. Nos. 013 and 015 are the same as 068 except for direction of cord exit, angle up or down, and dimensions as shown in Ills 18 and 19, which are same as 011.

CAT. NO. 080

General - The general design, shape and arrangement shall be as illustrated, except where variations are specifically described. It is IEC C7 configuration.

1. Body - R/C (QMFZ2), PVC, Type APEX 77W115B or APEX 4112 by Teknor Apex Co (E54709). See ILL. 20 for dimensional details.
2. Contact Holder - R/C (QMFZ2), Polyamide 66 (PA66), Type N602G30 by Shinkong Synthetic Fibers Corp (E107536) or VAMPAMID 66 2526 V0(e)(f) by Vamp-Tech Spa (E140692). See ILL. 20A for dimensional details.
3. Line/Neutral Contacts - Tubular, copper alloy, Cat. No. 20.E01.024 by Taller. Contacts are crimped to conductor. See ILL. 20B for dimensional details.
4. Cord - Flexible cord, Listed (ZJCZ/7), 18 AWG/2C Types SPT-2, SJT, SJTW, SJTO, SJTOW, SJTOO, SJTOOW flexible cord.
5. Marking - See Sec. Gen.