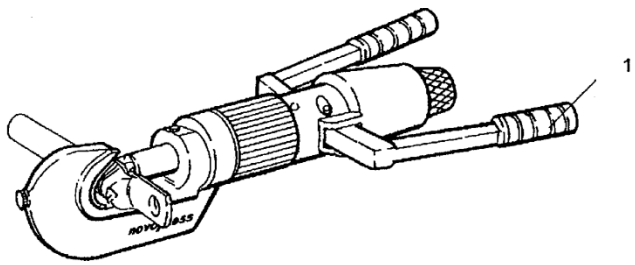
UL-approved installation instructions for PK-series crimping type cable lugs

LISTED
WIRE CONNECTOR
3RUN

UL file:	E320029
Material of connectors:	Copper (Cu)
Type of wire:	Stranded (Str)
Type of connector:	See table 2
Crimping tool:	Novopress HPM 400

Instructions for crimping:



Novopress HPM 400

1. Insert the connector with cable into the crimping die.

2. Operate the pump levers (1) until clear recoil is felt. The crimping process is then completed. Depending on the cross-section to be crimped, up to 50 strokes may be necessary.*/**

   *See table 1 for the minimum quantity of the crimps needed to be carried out per cable lug.

   **NOTE regarding V-pressings: Crimping in the same point more than once results in over crimping and reduces the cross-section of cable. This may lead to incorrect installation!

Table 1 (number of V-crimps)

Cross-section of cable (mm^2)	Number of crimps (Novopress HPM 400)
16	1
25	1
35	1
50	1
70	1
95	1
120	2
150	2
185	2
240	2
300	2

Table 2 (UL listed products)

D = Diameter of the fastening screw hole

D1 = Inner diameter (tube - cable hole)

D2 = Outer diameter (tube)

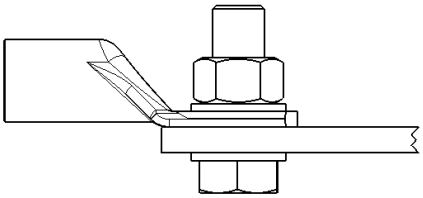
Type	Metric size (mm^2)	AWG/kcmil	D (mm) +0.5 / -0.0	D1 (mm)	D2 (mm)
PK 16-5	16	AWG 6	5	6	9
PK 16-6	16	AWG 6	6	6	9
PK 16-8	16	AWG 6	8	6	9
PK 16-10	16	AWG 6	10	6	9
PK 16-12	16	AWG 6	12	6	9

Type	Metric size (mm^2)	AWG/kcmil	D (mm) +0.5 / -0.0	D1 (mm)	D2 (mm)
PK 16-14	16	AWG 6	14	6	9
PK 25-5	25	AWG 4	5	8	11
PK 25-6	25	AWG 4	6	8	11
PK 25-8	25	AWG 4	8	8	11
PK 25-10	25	AWG 4	10	8	11
PK 25-12	25	AWG 4	12	8	11
PK 25-14	25	AWG 4	14	8	11
PK 25-16	25	AWG 4	17	8	11
PK 35-6	35	AWG 2	6	9	13
PK 35-8	35	AWG 2	8	9	13
PK 35-10	35	AWG 2	10	9	13
PK 35-12	35	AWG 2	12	9	13
PK 35-14	35	AWG 2	14	9	13
PK 35-16	35	AWG 2	17	9	13
PK 50-6	50	AWG 1	6	11	14.5
PK 50-8	50	AWG 1	8	11	14.5
PK 50-10	50	AWG 1	10	11	14.5
PK 50-12	50	AWG 1	12	11	14.5
PK 50-14	50	AWG 1	14	11	14.5
PK 50-16	50	AWG 1	17	11	14.5
PK 70-6	70	AWG 2/0	6	13	17
PK 70-8	70	AWG 2/0	8	13	17
PK 70-10	70	AWG 2/0	10	13	17
PK 70-12	70	AWG 2/0	12	13	17
PK 70-14	70	AWG 2/0	14	13	17

Type	Metric size (mm^2)	AWG/kcmil	D (mm) +0.5 / -0.0	D1 (mm)	D2 (mm)
PK 70-16	70	AWG 2/0	17	13	17
PK 95-10	95	AWG 3/0	10	15	20
PK 95-12	95	AWG 3/0	12	15	20
PK 95-14	95	AWG 3/0	14	15	20
PK 95-16	95	AWG 3/0	17	15	20
PK 120-10	120	250 kcmil	10	17	22
PK 120-12	120	250 kcmil	12	17	22
PK 120-14	120	250 kcmil	14	17	22
PK 120-16	120	250 kcmil	17	17	22
PK 150-10	150	300 kcmil	10	19	25
PK 150-12	150	300 kcmil	12	19	25
PK 150-14	150	300 kcmil	14	19	25
PK 150-16	150	300 kcmil	17	19	25
PK 150-20	150	300 kcmil	20	19	25
PK 185-10	185	350 kcmil	10	21	27
PK 185-12	185	350 kcmil	12	21	27
PK 185-14	185	350 kcmil	14	21	27
PK 185-16	185	350 kcmil	17	21	27
PK 185-20	185	350 kcmil	20	21	27
PK 240-10	240	500 kcmil	10	24	30
PK 240-12	240	500 kcmil	12	24	30
PK 240-14	240	500 kcmil	14	24	30
PK 240-16	240	500 kcmil	17	24	30
PK 240-20	240	500 kcmil	20	24	30
PK 240-24	240	500 kcmil	24	24	30

Type	Metric size (mm^2)	AWG/kcmil	D (mm) +0.5 / -0.0	D1 (mm)	D2 (mm)
PK 300-10	300	600 kcmil	10	26	32
PK 300-12	300	600 kcmil	12	26	32
PK 300-14	300	600 kcmil	14	26	32
PK 300-16	300	600 kcmil	17	26	32
PK 300-20	300	600 kcmil	20	26	32
PK 300-24	300	600 kcmil	24	26	32

Table 3 (tightening torques for 8.8 class steel screws)



Thread	Tightening torque (Nm)	Pressing capacity (kN)
M5	5	6
M6	9	9
M8	22	17
M10	44	27
M12	75	39
M14	120	54
M16	190	74
M20	370	120
M24	640	173