Pro Cables™

ProPlex® ETHERNET **ASSEMBLIES**
CAT6a + CAT5e

Description
High quality, extremely durable, portable CAT5e and CAT6a network cable assemblies, with a choice of three heavy-duty connector formats

TMB Pro Cables offers a comprehensive range of assemblies, cables, connectors and accessories, for professional applications of all kinds. Founded almost 40 years ago to serve the challenging demands of the portable live events industry, TMB has innovated and expanded, now serving a variety of different markets, specializing in quality, durable, portable cabling.

Dependable, highest quality ProPlex Ethernet cables feature the attention to detail that puts Pro Cables assemblies in a class of their own Proven to provide optimum performance over years of heavy portable use. From the Super Bowl Half-Time Show, to the Academy Awards, to a rock concert near you, ProPlex, the industry standard for entertainment and live event networks.

Available fully assembled in standard and custom lengths with your choice of three heavy-duty connector formats. Also available with custom connector configurations.

Features
- Flexible yet rugged ProPlex Ethernet cables combine outstanding data transmission and noise rejection with easy handling
- Flexible, Kevlar-reinforced, stranded cables, some with extended length performance, up to 100m!
- Proven to withstand the most extreme use and conditions over many years
- Perfect for any portable network - indoor, outdoor, or temporary underwater - requiring robust, dependable cables
- Labeling for length, standard
- High quality, custom printed Customer ID cable labeling, optional
- Velcro cable tie, standard

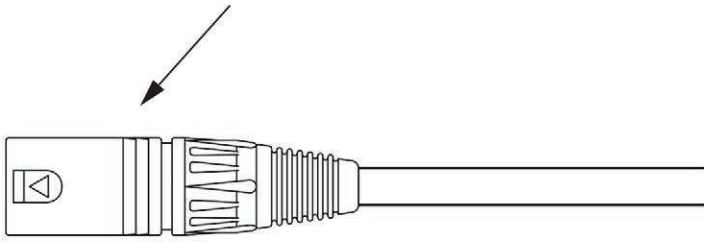
Applications
Portable networks of all kinds: Live events, Film and Television, industrial, scientific, exploration, defense, security, marine, communications, and more

Available Cables
ProPlex® CAT6a Extended Length S/FTP (maximum length 100m)
ProPlex® CAT6a S/FTP (maximum length 85m)

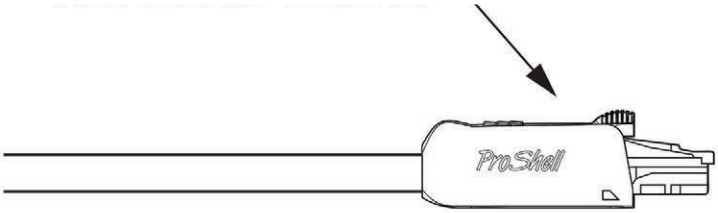
ProPlex® CAT5e "Ultra" Extended Length S/FTP (maximum length 90m)
ProPlex® CAT5e 26AWG SF/UTP (maximum length 10m)
ProPlex® CAT5e UTP (maximum length 85m)
ProPlex® CAT5e SF/UTP, White (maximum length 85m)

Available Connectors
ProSeries® RJ45 with Neutrik EtherCon™
ProSeries® RJ45 with ProShell durable backshell, with optional cap
ProSeries® RJ45 with rubber boot, various colors

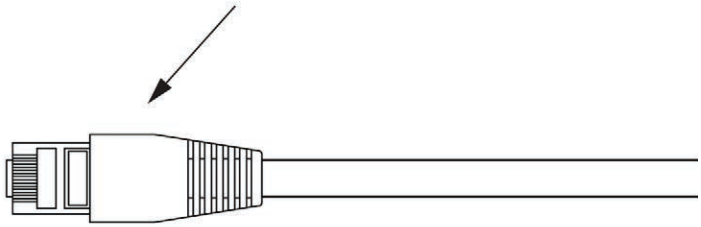
ProSeries® RJ45 Connector with Neutrik EtherCon™



ProSeries® RJ45 Connector with ProShell® Backshell



ProSeries® RJ45 Connector with rubber boot – various colours



The First and Still the Best!
TMB Pro Cables – High-quality custom cable assemblies
for the entertainment production and staging industry since 1983!
Over 60 highly skilled assembly technicians worldwide.
Well over 400 years combined experience!
Rigorous testing and quality control.
Famous TMB Rush Service Normal!

MADE IN UK/EU

Los Angeles +1 818.899.8818
London +44 (0)20.8574.9700
New York +1 201.896.8600
Toronto +1 519.538.0888
Beijing +86 10.8492.1587
Riga +371 6389 8886

www.tmb.com
sales@tmb.com

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ProPlex® CAT6a Cables

ProPlex CAT6a Extended Cable – PCCAT6APX

Extra heavy-duty portable (indoor/outdoor) CAT6a cable, fully tested and verified to meet all CAT6a horizontal specs up to 100 metres. 4 pair, 24 AWG (0.205mm²), 100 Ohm S/FTP round cable, double shielded (individual pairs) with Kevlar reinforcement, with black, tear and UV-resistant PUR jacket. Conforms to EIA/TIA 568-C-2 and ISO/IEC 11801 CAT6a requirements.
Full specifications at: https://tmb.com/docs/proplex/cat6a/pdf/ProPlex-PCCAT6APX-A4-web.pdf

ProPlex CAT6a Cable – PCCAT6AP

Extra heavy-duty portable (indoor/outdoor) CAT6a cable, fully tested and verified to meet all CAT6a horizontal specs up to 85 metres (and all CAT6a horizontal specs except attenuation up to 100 metres). 4 pair, 24 AWG (0.205mm²), 100 Ohm S/FTP round cable, double shielded (individual pairs) with Kevlar reinforcement, with black, tear and UV-resistant PUR jacket. Conforms to EIA/TIA 568-C-2 and ISO/IEC 11801 CAT6a requirements.
Full specifications at: https://tmb.com/docs/proplex/cat6a/pdf/ProPlex-PCCAT6AP-A4-web.pdf

ProPlex® CAT5e Cables

ProPlex CAT5e Ultra Cable – PCCAT5EPU

Extra heavy-duty portable (indoor/outdoor) CAT5e cable, fully tested and verified to meet all CAT5e horizontal specs up to 90 metres (and all CAT5e horizontal specs except attenuation up to 100 metres). 4 pair, 24 AWG (0.205mm2), 100 Ohm S/FTP round cables, double shielded (individual pairs) with Kevlar reinforcement, with black, tear and UV-resistant PUR jacket. Conforms to ISO / IEC 11801 CAT5e requirements.
Full specifications at: https://tmb.com/docs/proplex/cat5e/pdf/ProPlex-PCCAT5EPU-A4-web.pdf

ProPlex CAT5e 26AWG Cable – PCCAT5EP26AWG

Extra heavy-duty portable (indoor/outdoor) CAT5e patch cable, fully tested and verified to meet all CAT5e horizontal specs up to 10 metres. 4 pair, 26 AWG (0.129mm2), 100 Ohm SF/UTP round cables, double shielded with Kevlar reinforcement, with black, tear and UV-resistant PUR jacket. Conforms to ISO / IEC 11801 CAT5e requirements.
Full specifications at: https://tmb.com/docs/proplex/cat5e/pdf/ProPlex-PCCAT5E26AWG-A4-web.pdf

ProPlex CAT5e UTP Cable – PCCAT5EUTPP

Extra heavy-duty portable (indoor/outdoor) CAT5e patch cable, fully tested and verified to meet all CAT5e horizontal specs up to 85 metres (and all CAT5e horizontal specs, except attenuation, up to 100 metres). 4 pair, 24 AWG (0.129mm2), 100 Ohm U/UTP round cable, unshielded with Kevlar reinforcement, with black, tear and UV-resistant PUR jacket. Conforms to ISO / IEC 11801 CAT5e requirements.
Full specifications at: https://tmb.com/docs/proplex/cat5e/pdf/ProPlex-PCCAT5EUTPP-A4-web.pdf

ProPlex CAT5e White Cable – PCCAT5EPWE

Extra heavy-duty portable (indoor/outdoor) CAT5e cable, fully tested and verified to meet all CAT5e horizontal specs up to 85 metres (and all CAT5e horizontal specs, except attenuation, up to 100 metres). 4 pair, 24 AWG (0.205mm2), 100 Ohm SF/UTP round cables, double shielded with Kevlar reinforcement, with white, tear and UV-resistant PUR jacket. Conforms to ISO / IEC 11801 CAT5e requirements.
Full specifications at: https://tmb.com/docs/proplex/cat5e/pdf/ProPlex-PCCAT5EPWE-A4-web.pdf

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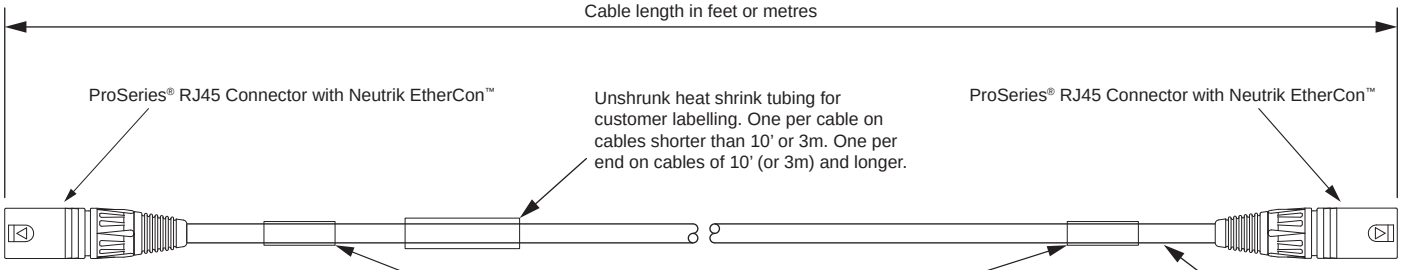


Labelling for length per specification.
0.5" high black letters with colored background.
Placed at connector ends under clear heat shrink tubing
One per cable on cables shorter than 20' (or 6m).
One per end on cables 20' (or 6m) and longer.

Custom labelling options available including custom-printed heat shrink tubing

Cable Options
ProPlex® CAT6a Extended Length S/FTP
ProPlex® CAT6a S/FTP
ProPlex® CAT5e "Ultra" Extended Length S/FTP
ProPlex® CAT5e 26AWG SF/UTP
ProPlex® CAT5e UTP
ProPlex® CAT5e, White SF/UTP

NOT TO SCALE

Example Code

Z	PCCAT5E	NE	25M	L

Z	Designates cable assembly

PCCAT6X	ProPlex® CAT6a Extended Length S/FTP Cable
PCCAT6A	ProPlex® CAT6a S/FTP Cable
PCCAT5E	ProPlex® CAT5e "Ultra" Extended Length S/FTP Cable
PCCAT5	ProPlex® CAT5e 26AWG SF/UTP Cable
PCCAT5U	ProPlex® CAT5e UTP Cable
PCCAT5W	ProPlex® CAT5e, White SF/UTP Cable

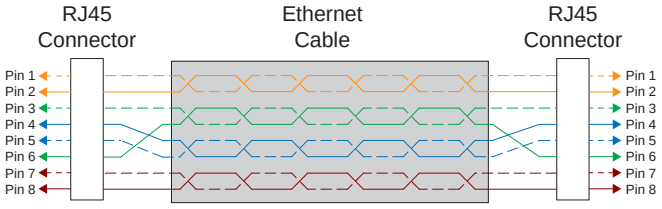
	Skip this section unless ordering labelling
L	Labelled for length or custom labelling

25M	Length of cable in metres
25	Length of cable in feet

Cables are spec limited to the following lengths
ProPlex CAT6a Extended Length - 328' [100m]
ProPlex CAT6a - 278' [85m]
ProPlex CAT5e "Ultra" - 295' [90m]
ProPlex CAT5e 26AWG - 30' [10m]
ProPlex CAT5e UTP - 278' [85m]
ProPlex CAT5e White - 278' [85m]

NE	ProSeries® RJ45 Connectors with Neutrik EtherCon™

ELECTRICAL SCHEMATIC



Cable is wired in compliance with EIA/TIA 568B Standard

NOTE: Cables are assembled with ProSeries® RJ45 Connectors, Model used is based on the cable type.

PCCAT6AP - RJ45SKV4
PCCAT6APX - RJ45SKV4
PCCAT5EPU - RJ45SKV4
PCCAT5EP26AWG – RJ45SKV1
PCCAT5EUTPP – RJ45K
PCCAT5EPWE - RJ45SKV1

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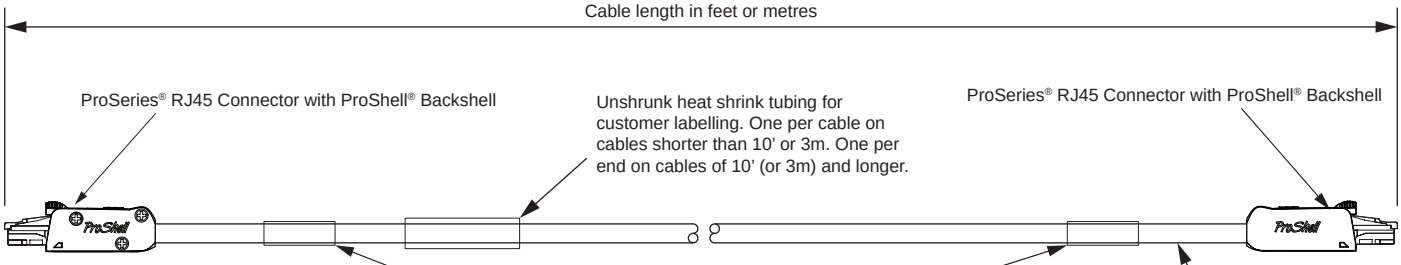


NOT TO SCALE

Example Code

Z	PCCAT5E	PJ	25M	L

Z	Designates cable assembly

PCCAT6X	ProPlex® CAT6a Extended Length S/FTP Cable
PCCAT6A	ProPlex® CAT6a S/FTP Cable
PCCAT5E	ProPlex® CAT5e "Ultra" Extended Length S/FTP Cable
PCCAT5	ProPlex® CAT5e 26AWG SF/UTP Cable
PCCAT5U	ProPlex® CAT5e UTP Cable
PCCAT5W	ProPlex® CAT5e, White SF/UTP Cable

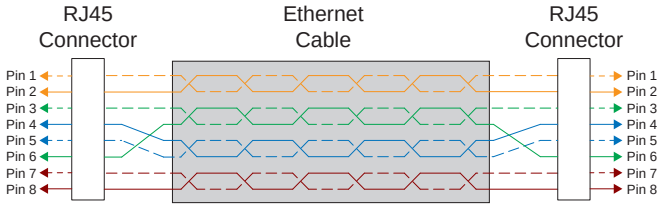
PJ	ProSeries® RJ45 Connectors with ProShell® Backshell
PJC	ProSeries® RJ45 Connectors with ProShell® Backshell – with cap

	Skip this section unless ordering labelling
L	Labelled for length or custom labelling

25M	Length of cable in metres
25	Length of cable in feet

Cables are spec limited to the following lengths
ProPlex CAT6a Extended Length - 328' [100m]
ProPlex CAT6a - 278' [85m]
ProPlex CAT5e "Ultra" - 295' [90m]
ProPlex CAT5e 26AWG - 30' [10m]
ProPlex CAT5e UTP - 278' [85m]
ProPlex CAT5e White - 278' [85m]

ELECTRICAL SCHEMATIC



Cable is wired in compliance with EIA/TIA 568B Standard

NOTE: Cables are assembled with ProSeries® RJ45 Connectors and ProShells. Models used is based on the cable type.

PCCAT6AP - RJ45SKV4 - ProShell PRJ0EX-BK
PCCAT6APX - RJ45SKV4 - ProShell PRJ0EX-BK
PCCAT5EPU - RJ45SKV4 - ProShell PRJ0EX-BK
PCCAT5EP26AWG – RJ45SKV1 – ProShell PRJ0V2-BK
PCCAT5EUTPP – RJ45K– ProShell PRJ0V2-BK
PCCAT5EPWE - RJ45SKV1 - ProShell PRJ0V2-BK

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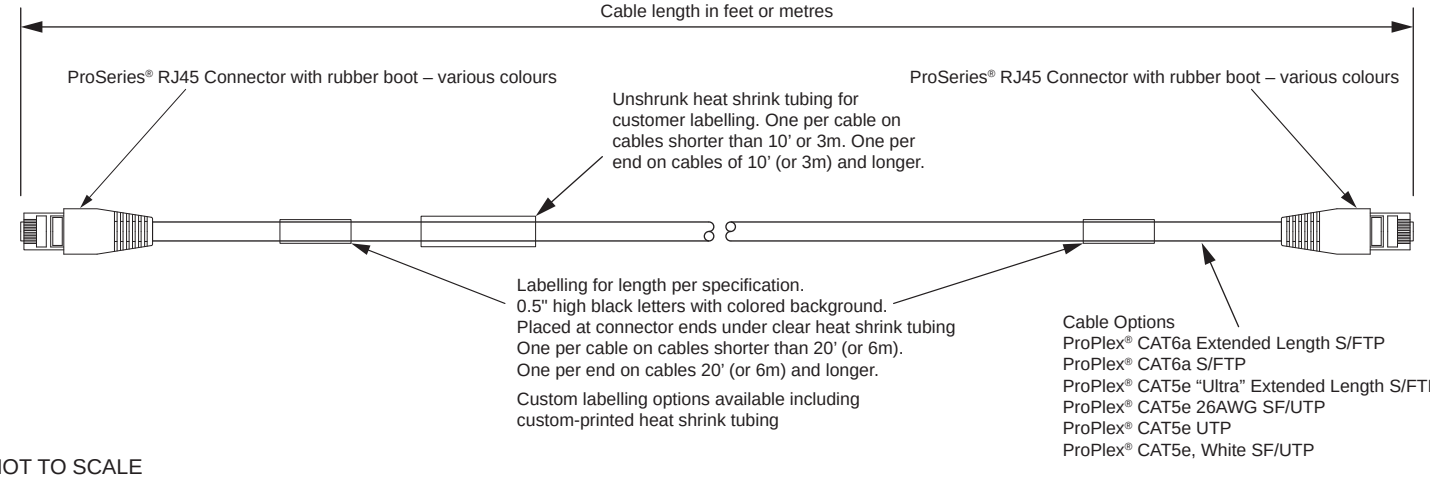

NOT TO SCALE

Example Code

Z	PCCAT5E	RJ	25M	L

Z	Designates cable assembly

PCCAT6X	ProPlex® CAT6a Extended Length S/FTP Cable
PCCAT6A	ProPlex® CAT6a S/FTP Cable
PCCAT5E	ProPlex® CAT5e "Ultra" Extended Length S/FTP Cable
PCCAT5	ProPlex® CAT5e 26AWG SF/UTP Cable
PCCAT5U	ProPlex® CAT5e UTP Cable
PCCAT5W	ProPlex® CAT5e, White SF/UTP Cable

	Skip this section unless ordering labelling
L	Labelled for length or custom labelling

25M	Length of cable in metres
25	Length of cable in feet

Cables are spec limited to the following lengths
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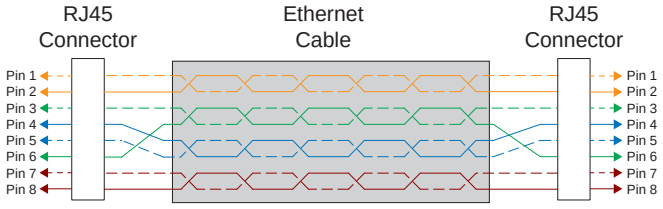
ProPlex CAT5e 26AWG - 30' [10m]
ProPlex CAT5e UTP - 278' [85m]
ProPlex CAT5e White - 278' [85m]

RJ	ProSeries® RJ45 Connectors with rubber boot – various colours

ELECTRICAL SCHEMATIC



Cable is wired in compliance with EIA/TIA 568B Standard

NOTE: Cables are assembled with ProSeries® RJ45 Connectors.
Model used is based on the cable type.

PCCAT6AP - RJ45SKV4
PCCAT6APX - RJ45SKV4
PCCAT5EPU - RJ45SKV4
PCCAT5EP26AWG – RJ45SKV1
PCCAT5EUTPP – RJ45K
PCCAT5EPWE - RJ45SKV1

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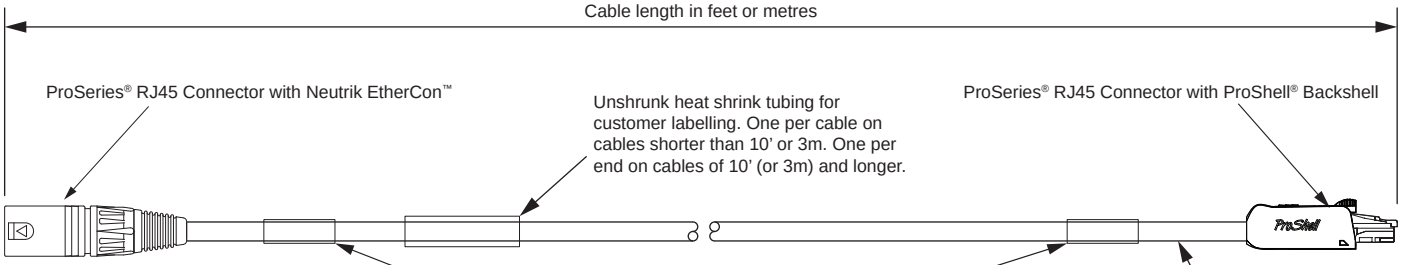

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0.5" high black letters with colored background.
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ProPlex® CAT6a S/FTP
ProPlex® CAT5e "Ultra" Extended Length S/FTP
ProPlex® CAT5e 26AWG SF/UTP
ProPlex® CAT5e UTP
ProPlex® CAT5e, WhiteSF/UTP

NOT TO SCALE

Example Code

Z	PCCAT5E	NE	PJ	25M	L

Z	Designates cable assembly

PCCAT6X	ProPlex® CAT6a Extended Length S/FTP Cable
PCCAT6A	ProPlex® CAT6a S/FTP Cable
PCCAT5E	ProPlex® CAT5e "Ultra" Extended Length S/FTP Cable
PCCAT5	ProPlex® CAT5e 26AWG SF/UTP Cable
PCCAT5U	ProPlex® CAT5e UTP Cable
PCCAT5W	ProPlex® CAT5e, White SF/UTP Cable

NE	ProSeries® RJ45 Connector with Neutrik EtherCon™ – one end

PJ	ProSeries® RJ45 Connectors with ProShell® Backshell – one end
PJC	ProSeries® RJ45 Connectors with ProShell® Backshell with cap – one end

	Skip this section unless ordering labelling
L	Labelled for length or custom labelling

25M	Length of cable in metres
25	Length of cable in feet

Cables are spec limited to the following lengths
ProPlex CAT6a Extended Length - 328' [100m]
ProPlex CAT6a - 278' [85m]
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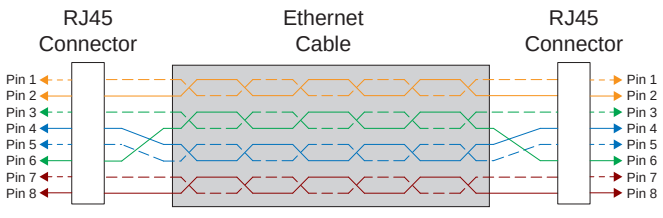
ProPlex CAT5e 26AWG - 30' [10m]
ProPlex CAT5e UTP - 278' [85m]
ProPlex CAT5e White - 278' [85m]

ELECTRICAL SCHEMATIC



Cable is wired in compliance with EIA/TIA 568B Standard

NOTE: Cables are assembled with ProSeries® RJ45 Connectors and ProShells. Models used is based on the cable type.

PCCAT6AP - RJ45SKV4 - ProShell PRJ0EX-BK
PCCAT6APX - RJ45SKV4 - ProShell PRJ0EX-BK
PCCAT5EPU - RJ45SKV4 - ProShell PRJ0EX-BK
PCCAT5EP26AWG – RJ45SKV1 – ProShell PRJ0V2-BK
PCCAT5EUTPP – RJ45K– ProShell PRJ0V2-BK
PCCAT5EPWE – RJ45SKV1 – ProShell PRJ0V2-BK

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