

CERTIFICATE OF COMPLIANCE

Certificate Number E491528
Report Reference E491528-20150515
Issue Date 2020-AUGUST-07

Issued to: ESCHA GMBH & CO. KG
Markische Str. 8a
58553 Halver, GERMANY

**This certificate confirms that
representative samples of**

Communications-, Audio/Video-, Data- and Other Signaling-
circuit Accessories

See Addendum Page for Models

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.


Standard(s) for Safety: UL 1863, Safety of Communications-Circuit Accessories
CAN/CSA C22.2, No 233-M09, Cords and Cord sets for
Communication Systems

Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program
UL LLC

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CERTIFICATE OF COMPLIANCE

Certificate Number E491528
Report Reference E491528-20150515
Issue Date 2020-AUGUST-07

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Dpable-ended Patch Cord, (&)RJ45SS(p)(#)-+-(&)RJ45SS(p)(#)/xy (b), (&)RJ45KS(p)(#)-+-(&)RJ45KS(p)(#)/xy (b), (&)RJ45KS(p)(#)-+-(&)RJ45SS(p)(#)/xy (b)

(b) - Where (&) = Models may or may not be prefixed by the letters "IE-", "RA-", (p) = Number of contacts, (#) = May or may not be followed by 3 digits (Allocation code), + = length in metres, x = Cablestyle (internal name), y = Models may or may not be followed by "/S-num" (internal name)



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CERTIFICATE OF COMPLIANCE

Certificate Number E491528
Report Reference E491528-20150516
Issue Date 2020-AUGUST-07

Issued to: ESCHA GMBH & CO. KG
Markische Str. 8a
58553 Halver, GERMANY

**This certificate confirms that
representative samples of**

Communications-, Audio/Video-, Data- and Other Signaling-
circuit Accessories - Component
See Addendum Page for Models)

Have been investigated by UL in accordance with the
component requirements in the Standard(s) indicated on
this Certificate. UL Recognized components are incomplete
in certain constructional features or restricted in
performance capabilities and are intended for installation in
complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: UL 1863, Safety of Communications-Circuit Accessories
CAN/CSA C22.2, No 233-M09, Cords and Cord sets for
Communication Systems

Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Recognized Component Mark. Only
the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified
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CERTIFICATE OF COMPLIANCE

Certificate Number E491528
Report Reference E491528-20150516
Issue Date 2020-AUGUST-07

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Single-ended Patch Cord, (&) RJ45SS(p)(#)-+/xy (b), (&) RJ45KS(p)(#)-+/xy (b)

(b) – Where (&) = Models may or may not be prefixed by the letters “IE-“, “RA-“, (p) = Number of contacts, (#) = May or may not be followed by 3 digits (Allocation code), + = length in metres, x = Cablestyle (internal name), y = Models may or may not be followed by “/S-num” (internal name)



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CERTIFICATE OF COMPLIANCE

Certificate Number E491528
Report Reference E491528-20170517
Issue Date 2020-AUGUST-07

Issued to: ESCHA GMBH & CO. KG
Markische Str. 8a
58553 Halver, GERMANY

**This certificate confirms that
representative samples of**

Communications-, Audio/Video-, Data- and Other Signaling-
circuit Accessories

See Addendum Page for Models

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety:

UL 1863, Communications-Circuit Accessories
CAN/CSA C22.2 No. 233-M09, Cords and Cord Sets for
Communication Systems


Additional Information:

See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information.

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CERTIFICATE OF COMPLIANCE

Certificate Number E491528
Report Reference E491528-20170517
Issue Date 2020-AUGUST-07

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Double-ended Patch Cord, (&)WASSX8(#)-+-(&)WASSX8(#)/xy (b), (&)WAKSX8(#)-+-(&)WASSX8(#)/xy (b), (&)WAKSX8(#)-+-(&)WAKSX8(#)/xy (b), (&)WWASSX8(#)-+-(&)WWASSX8(#)/xy (b), (&)WWAKSX8(#)-+-(&)WWASSX8(#)/xy (b), (&)WWAKSX8(#)-+-(&)WWASSX8(#)/xy (b), (&)WWASSX8(#)-+-(&)WASSX8(#)/xy (b), (&)WWAKSX8(#)-+-(&)WAKSX8(#)/xy (b), (&)WWAKSX8(#)-+-(&)WASSX8(#)/xy (b), (&)WAKSX8(#)-+-(&)WWASSX8(#)/xy (b), (&)WASSX8(#)-+-(&)RJ45SS(p)(#)/xy (b), (&)WAKSX8(#)-+-(&)RJ45SS(p)(#)/xy (b), (&)WWASSX8(#)-+-(&)RJ45SS(p)(#)/xy (b), (&)WWAKSX8(#)-+-(&)RJ45SS(p)(#)/xy (b), (&)WASSX8(#)-+-(&)RJ45KS(p)(#)/xy (b), (&)WAKSX8(#)-+-(&)RJ45KS(p)(#)/xy (b), (&)WWASSX8(#)-+-(&)RJ45KS(p)(#)/xy (b), (&)WWAKSX8(#)-+-(&)RJ45KS(p)(#)/xy (b), (&)FKFDSX8(#)-+-(&)WASSX8(#)/xy (b), (&)FKFDSX8(#)-+-(&)WAKSX8(#)/xy (b), (&)FKFDSX8(#)-+-(&)WWASSX8(#)/xy (b), (&)FKFDSX8(#)-+-(&)WWAKSX8(#)/xy (b), (&)FKFDSX8(#)-+-(&)RJ45SS(p)(#)/xy (b), (&)WFKFDSX8(#)-+-(&)WASSX8(#)/xy (b), (&)WFKFDSX8(#)-+-(&)WAKSX8(#)/xy (b), (&)WFKFDSX8(#)-+-(&)WWASSX8(#)/xy (b), (&)WFKFDSX8(#)-+-(&)WWAKSX8(#)/xy (b), (&)WFKFDSX8(#)-+-(&)RJ45SS(p)(#)/xy (b), (&)WASSY4(#)-+-(&)RJ45SS(p)(#)/xy(f), (&)WAKSY4(#)-+-(&)RJ45SS(p)(#)/xy(f), (&)WWASSY4(#)-+-(&)RJ45SS(p)(#)/xy(f), (&)WWAKSY4(#)-+-(&)RJ45SS(p)(#)/xy(f), (&)WFKFDSY4(#)-+-(&)RJ45SS(p)(#)/xy(f), (&)WFSFDSY4(#)-+-(&)RJ45KS(p)(#)/xy(f), (&)FKFDSY4(#)-+-(&)RJ45SS(p)(#)/xy(f), (&)FSFDSY4(#)-+-(&)RJ45KS(p)(#)/xy(f), (&)WASSY4(#)-+-(&)WASSY4(#)/xy (b), (&)WAKSY4(#)-+-(&)WASSY4(#)/xy (b), (&)WAKSY4(#)-+-(&)WAKSY4(#)/xy (b), (&)WAKSY4(#)-+-(&)WASSY4(#)/xy (b), (&)WWAKSY4(#)-+-(&)WAKSY4(#)/xy (b), (&)WWAKSY4(#)-+-(&)WASSY4(#)/xy (b), (&)WWAKSY4(#)-+-(&)WAKSY4(#)/xy (b), (&)WWASSY4(#)-+-(&)WASSY4(#)/xy (b), (&)WWASSY4(#)-+-(&)WASSY4(#)/xy (b), (&)FKSY4(#)-+-(&)WASSY4(#)/xy (b), (&)FKFDSY4(#)-+-(&)WASSY4(#)/xy (b), (&)WFKFDSY4(#)-+-(&)WASSY4(#)/xy (b)

- (b) - Where (&) = Models may or may not be prefixed by the letters "IE-", "RA-", (#) = May or may not be followed by 3 digits (Allocation code), (p) = Number of contacts, + = length in metres, x = Cablestyle (internal name), y = Models may or may not be followed by "/S-num" (internal name)
- (f) - Where (&) = Models may or may not be prefixed by letters "IE-", "RA-", (#) = May or may not be followed by 3 digits (Allocation code), + = length in metres, (p) = Number of contacts, x = Cablestyle (internal name, y = Models may or may not be followed by "/S-num" (internal name).


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CERTIFICATE OF COMPLIANCE

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Report Reference E491528-20170518
Issue Date 2020-AUGUST-07

Issued to: ESCHA GMBH & CO. KG
Markische Str. 8a
58553 Halver, GERMANY

**This certificate confirms that
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Communications-, Audio/Video-, Data- and Other Signaling-
circuit Accessories - Component
See Addendum Page for Models

Have been investigated by UL in accordance with the
component requirements in the Standard(s) indicated on
this Certificate. UL Recognized components are incomplete
in certain constructional features or restricted in
performance capabilities and are intended for installation in
complete equipment submitted for investigation to UL LLC.


Standard(s) for Safety: UL 1863, Safety of Communications-Circuit Accessories
CAN/CSA C22.2, No 233-M09, Cords and Cord sets for
Communication Systems

Additional Information: See the UL Online Certifications Directory at
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CERTIFICATE OF COMPLIANCE

Certificate Number E491528
Report Reference E491528-20170518
Issue Date 2020-AUGUST-07

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Single-ended Patch Cord, (&) WASSX8(#)-+/xy (b), (&) WAKSX8(#)-+/xy (b), (&) WWASSX8(#)-+/xy (b), (&) WWAKSX8(#)-+/xy (b), (&) FKDSX8(#)-+/xy (b), (&) FKFDSX8(#)-+/xy (b), (&) FSFDSX(p) (#)-+/xy (b), (&) WFKFDSX(p)(#)-+/xy (b), (&) WFKDSX8(#)-+/xy (b), (&) WASSY4(#)-+/xy (b), (&) WAKSY4(#)-+/xy (b), (&) WWASSY4(#)-+/xy (b), (&) WWAKSY4(#)-+/xy (b), (&) FKS4(#)-+/xy (b), (&) FKFDSY4(#)-+/xy (b), (&) WFKFDSY4(#)-+/xy (b).

(b) - Where (&) = Models may or may not be prefixed by the letters "IE-", "RA-", (#) = May or may not be followed by 3 digits (Allocation code), + = length in metres, x = Cablestyle (internal name), y = Models may or may not be followed by "/S-num" (internal name), X= Where X can be D, W, or X, (p)=is 4 or 8.



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