

Certificate

System no. 5, type testing with assurance of conformity by production surveillance

CERTIFEL "Safety tested and supervised"

Certificate ref. no. **CH-05-IK-0315.ZA5.A**

Licence ref. no. 6677

This certificate grants the right to use the mark of conformity



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Product	Polymer Insulated Medium Voltage Cables	
Licensee/Licence holder	LEONI Studer AG, Herrenmattstrasse 20 CH - 4658 Däniken	
Manufacturer	LEONI Studer AG, Herrenmattstrasse 20 CH - 4658 Däniken	
Manufactured at/Factory	LEONI Studer AG, Herrenmattstrasse 20 CH - 4658 Däniken	
Trade-mark	TRI-DELTA	
Type/Model	XDMZ-..., XDME-..., XDALZ-..., XDALE-...	(see page 2)
Ratings, characteristics	10/6kV; 20/12kV; 30/18kV 1...3 x 25/.. bis 630/.. mm ²	
Additional information	See page 2	
Standards safety	HD 620 S1:96 + A1:01 + A2:03 + A3:07	
Standards EMC	---	
Other standards	---	

The product was found to be in conformity with aforementioned standards, as shown

in reports ref. no. 05-IK-0315.01

Production surveillance according to European, CENELEC harmonised procedure.

This certificate has to be reissued every three years.

Certificate superseded: ---

Electrosuisse
National Certification Body

Hans Roschmann

Hans Roschmann
Product Certification



SCESp 035
(EN 45011)



SIS 026
(IEC/ISO 17020)

Fehraltorf, 2007-08-07

Appendix to certificate

CERTIFEL

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Type list:

Medium voltage cable with Copper conductor, Aluminium tape screen, overlapped and sealed and PE based outer sheath, halogen free

XDMZ	Single core cable with sheath
XDMZ-Y	Three core cable, stranded, without outer sheath
XDMZ-Z	Three core cable, stranded, with outer sheath
XDMZ-CLZ	Three core cable, stranded, steel tape armoured and with outer sheath

Medium voltage cable with Copper conductor, Aluminium tape screen, overlapped and sealed and flame retardant PE based outer sheath, halogen free

XDME	Single core cable
XDME-Y	Three core cable stranded, without outer sheath
XDME-E	Three core cable stranded, with outer sheath
XDME-CLE	Three core cable stranded, steel tape armoured and with outer sheath

Medium voltage cable with Aluminium conductor, Aluminium tape screen, overlapped and sealed and PE based outer sheath, halogen free

XDALZ	Single core cable with sheath
XDALZ-Y	Three core cable, stranded, without outer sheath
XDALZ-Z	Three core cable, stranded, with outer sheath
XDALZ-CLZ	Three core cable, stranded, steel tape armoured and with outer sheath

Medium voltage cable with Aluminium conductor, Aluminium tape screen, overlapped and sealed and flame retardant PE based outer sheath, halogen free

XDALE	Single core cable
XDALE-Y	Three core cable stranded, without outer sheath
XDALE-E	Three core cable stranded, with outer sheath
XDALE-CLE	Three core cable stranded, steel tape armoured and with outer sheath

Legend:

X	Cable with crosslinked polyethylene insulation (XLPE)
D	Axial water tight with swelling tape
AL	Aluminium conductor, stranded and compacted (IEC/EN 60228, class 2)
M	Transverse, water tight with tubular metal screen, overlapped and sealed
Z	Super tough, PE based sheath
E	Flame retardant, PE based sheath
-Y	Three core cable, stranded, without outer sheath
-Z	Three core cable, super tough PE based outer sheath
-E	Three core cable, flame retardant, PE based outer sheath
-CL..	Three core cable, steel tape armoured
AT	Termite resistant outer sheath
AI	AI screen cross section: aluminium tape screen

Hans Roschmann
Product Certification



Fehraltorf, 2007-08-07