

Technical Data Sheet Implosive Connectors / Jumper Terminals



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Design and area of use

JUMPER TERMINALS



Implosive Connectors is the trading name of:

- Full Tension Joints
- Dead-Ends
- Jumper Terminals
- Full Tension Repair Joints

The non-tension Jumper Terminal consists of an aluminum sleeve pre-wrapped with an implosive charge and with connector pad at one end. The pad is bent 15 degrees. Hot galvanized bolts with accessories are included. A number of units may be installed simultaneously.

Jumper Terminals applied to the connection of electrical Overhead lines.

Technical data

Explosive	Pentrite (PETN)
Charge weight	0,016-0,2 kg
Detonation Velocity	Ca 6900 m/s
Diameter of Conductors	12-56,7 mm
Type of Conductors	ACSR-, steel- and aluminum conductors
Min. strength detonator for safe initiation	Detonator no. 8
Min/max user temperature	From +30°C to +60°C

Special features

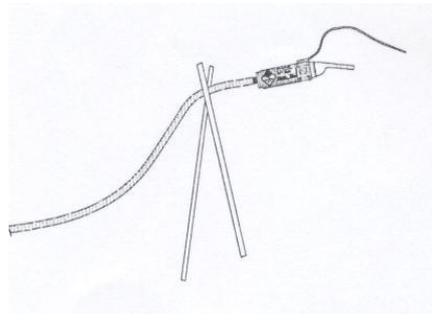
The Jumper Terminals may be attached to the Dead-End pad at 30 degrees or 0 degrees exit angle. Cold forming the connector pad eliminates welding and ensures optimum strength and conductivity

Application and Security Regulations

- Detonating cord must only be cut with a sharp knife or other tool specifically designed for such purpose, preferably under laid by a soft material, e.g. wood.
- Detonating cord must be initiated by a detonator (strength No. 8) or an igniter.
- Wet PETN has low sensitivity; interruption in detonation may occur.
- Dry PETN is very sensitive to impacts and blows; unintentional detonation may occur.
- In case of spillage or if remainders of detonating cord are found after blasting, these must be collected and treated as explosives.
- Safety distance min. 50 mtr away from the Jumper Terminals.

Detonation

- Put the conductor end, connected with the Jumper Terminal, on the rack approx 1 mtr above the ground. A simple rack may be used.
- It is of utmost importance that the fitting is correctly installed. Inaccuracy may cause reduced gripping length, and reduced holding power.
- Tape the detonator to the explosive charge. Check that the detonator is placed correctly, parallel to the conductor, and taped tight
- against the explosive, as shown in THE SPECIAL MANUAL; PART 3, DETONATION 2
- Do the blasting of the Jumper terminal.
- After detonation remove remains of the PVC house, and the Jumper Terminal is finished.



Jumper Terminals

Type	Dimensions mm		Net weight kg		Gross weight kg		Qty per box
	Cond.dia	Length	Jump. T.	Box	Jump. T.	Box	
ACSR Conductor	12,33-56,7	220-500	0,5-3,5	6-42	0,91-4,08	11-49	12
Steel Conductor	12-16,3	220-235	0,5-0,6	6-7,2	0,91-1,18	11-14,2	12
Alum. Conductor	13,5-41,13	225-405	0,5-3	6-36	0,91-7,17	11-43	12

Storage conditions	
Shelf life	20 years from date of production marked on Jumper Terminal and box. Extension of shelf life after testing.
Humidity	Dry and airy.

	(PvTT Finland)
EC Type Examination Certificate	PvTT 219-10
Proper shipping name	Implosive connectors
UN-number	0443
Transport class	1.2 D

Approval and classification

Notified Body	CE 0812
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Destruction of Jumper Terminals

Refer to national laws and regulations.

Responsible company

Producer/importer: Varmpresse metall AS
Organizations no.: NO 982082048 MVA
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