TERMINATING THE GAMECHANGER CABLE

Part numbers, best practices and more...

Gauge sizes and OD's

All GameChanger Cable™ conductors s are 22 AWG. OD's range from "similar to a Cat 6" to "a little smaller than Cat6A" with the exception of the Class I, Division 1 construction.

Jacks and patch panels

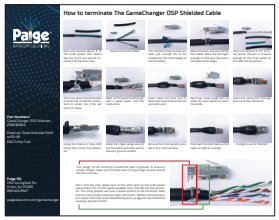
All compliant Cat 6 or 6A jacks and patch panels support 22-26 AWG and should work with GameChanger

Modular RJ45 Plugs

While other plugs may work, we highly recommend the below options from Simply45™ and Platinum Tools™

Part Number	Description	O.D. (nom)	Simply45				Platinum Tools	
			Pass Through Connector Jar	Pro Series Pass Through Connector Jar	Strain Relief	Crimp Tool	Pass Through Connector Jar	Crimp Tool
258310333	GameChanger CMR, 1,000' Box, Yellow w/ White Stripe	.238"	S45-1700	S45-1700P	S45-B002	S45-C100	100028C	100061C
258300336	GameChanger CMP, 1,000' Box, Blue w/ White Stripe	.248"	S45-1700	S45-1700P	S45-B002	S45-C100	100028C	100061C
258300310	GameChanger CMP, 1,000' Box, White	.248"	S45-1700	S45-1700P	S45-B002	S45-C100	100028C	100061C
258330804	GameChanger OSP, 1,000' Reel, Black	.305"	S45-1700	S45-1700P	S45-B002	S45-C100	100029C	100061C
258340804	GameChanger OSP Shielded, 1,000' Reel, Black	.380"		S45-1750P	S45-B003	S45-C100	202052J	100061C
258802404	GameChanger ITC-HL CI/D1 Hazardous Locations Armored*	.980"		S45-1700P		S45-C100	202052J	100061C

* The ITC-HL GameChanger can be terminated with barrier glands like the Terminator™ II TMCX0752 from Course-Hinds.



Click here for an illustrated guide to terminating the OSP Shielded GameChanger.

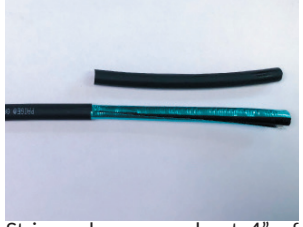
Paige® DATACOM SOLUTIONS | GameChanger Cable™

Part Numbers:
GameChanger OSP Shielded
258340804

Platinum Tools Shielded RJ45
ezEX-48
EXO Crimp Tool

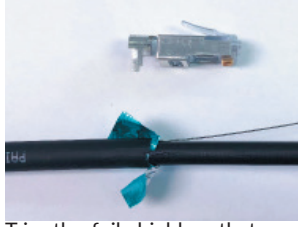
Simply45 RJ45 Pro Series
S45-1750P
S45-C101 Crimp Tool

How to terminate The GameChanger OSP Shielded Cable

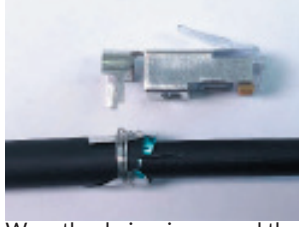


Strip and remove about 4" of the outer jacket. This seems like too much, but will be important for the drain wire.

Peel back the foil shield.

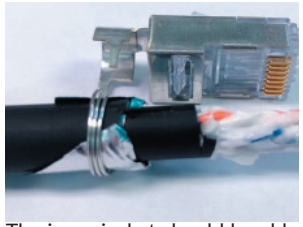


Trim the foil shield so that you have just enough foil to be covered by the metal wings of the connector.

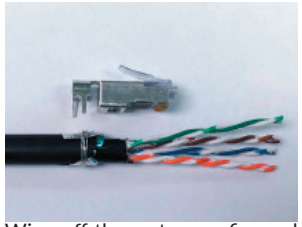


Wrap the drain wire around the foil shield. Wrap the coil tight enough so that you stay within the area of the wings.

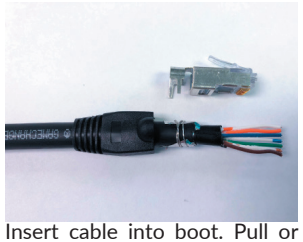
Strip and remove 3 1/2" of inner jacket. The aim is to leave enough of the inner jacket to fit inside the connector.



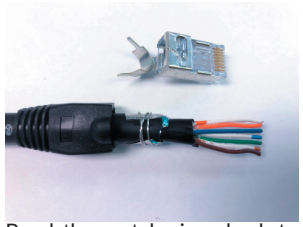
The inner jacket should be able to enter the connector and extend to where the crimp will hold it in place.



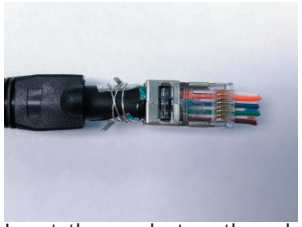
Wipe off the waterproofing gel with a paper towel. Trim the conductors.



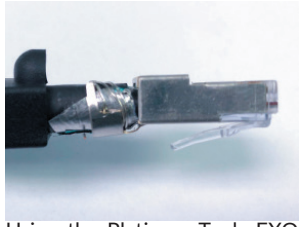
Insert cable into boot. Pull or twist boot back behind the foil and drain wire.



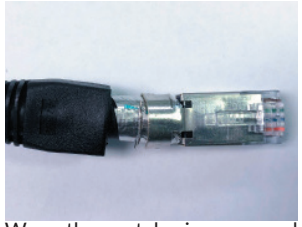
Bend the metal wings back to allow for more space to insert the cable.



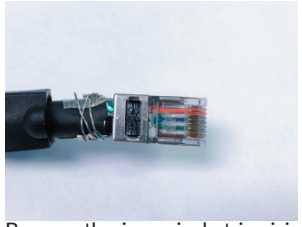
Insert the conductors through the end of the connector.



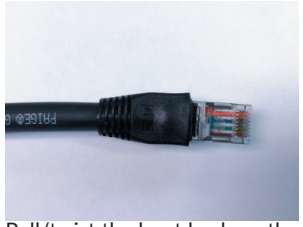
Using the Platinum Tools EXO Crimp Tool, crimp the connector.



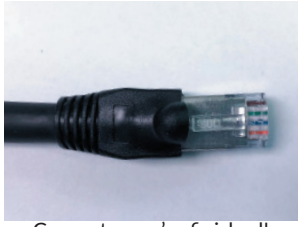
Wrap the metal wings around the foil shield and drain wire to assure a ground contact.



Be sure the inner jacket is visible in the crimp window.



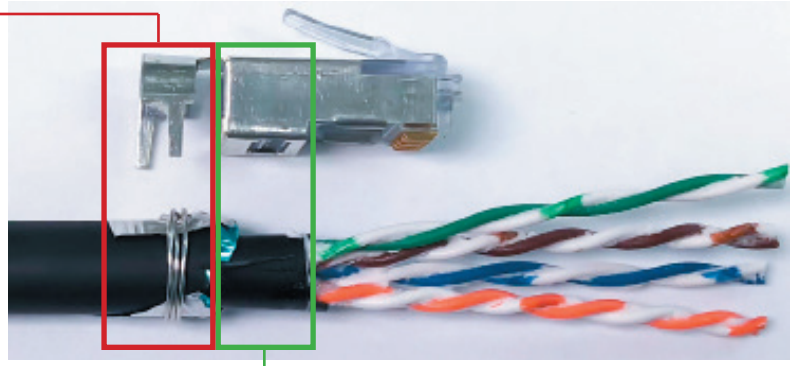
Pull/twist the boot back up the cable as high as it will go.



Congrats, you're finished!

The "wings" of the connector provide the path to ground. To ensure a proper contact make sure the drain wire is long enough to wrap around the foil 2-3 times.

Don't strip the inner jacket back to the same point as the outer jacket. Leave about 1/2" of inner jacket available to be inserted into the connector. The crimp process will push a plastic portion of the connector down into this inner jacket to ensure a tight connection. Without the inner jacket in place the crimp could inadvertently push up against the conductors causing a bad connection.



06/23/22

GAMECHANGER CABLE CONDUIT FILL CHART

Conduit Size		Riser	Plenum	Plenum	OSP	OSP Shielded
	Part #	258310333	258300310	258300336	258330804	258340804
	O.D.	.244”	.248"	.248"	.305"	.380"
0.50”	EMT	2 @ 31%	2 @ 31%	2 @ 31%	1 @ 53%	1 @ 53%
	Rigid	2 @ 31%	2 @ 31%	2 @ 31%	1 @ 53%	1 @ 53%
0.75”	EMT	4 @ 40%	4 @ 40%	4 @ 40%	3 @ 40%	1 @ 53%
	Rigid	4 @ 40%	4 @ 40%	4 @ 40%	3 @ 40%	1 @ 53%
1.00”	EMT	7 @ 40%	7 @ 40%	7 @ 40%	4 @ 40%	3 @ 40%
	Rigid	7 @ 40%	7 @ 40%	7 @ 40%	5 @ 40%	3 @ 40%
1.25”	EMT	12 @ 40%	12 @ 40%	12 @ 40%	8 @ 40%	5 @ 40%
	Rigid	13 @ 40%	12 @ 40%	12 @ 40%	8 @ 40%	5 @ 40%
1.50”	EMT	17 @ 40%	17 @ 40%	17 @ 40%	11 @ 40%	7 @ 40%
	Rigid	17 @ 40%	17 @ 40%	17 @ 40%	11 @ 40%	7 @ 40%
2.00”	EMT	28 @ 40%	27 @ 40%	27 @ 40%	18 @ 40%	12 @ 40%
	Rigid	29 @ 40%	28 @ 40%	28 @ 40%	18 @ 40%	12 @ 40%
2.50”	EMT	50 @ 40%	48 @ 40%	48 @ 40%	32 @ 40%	20 @ 40%
	Rigid	41 @ 40%	40 @ 40%	40 @ 40%	26 @ 40%	17 @ 40%
3.00”	EMT	75 @ 40%	73 @ 40%	73 @ 40%	48 @ 40%	31 @ 40%
	Rigid	64 @ 40%	62 @ 40%	62 @ 40%	41 @ 40%	26 @ 40%
3.50”	EMT	98 @ 40%	95 @ 40%	95 @ 40%	63 @ 40%	40 @ 40%
	Rigid	85 @ 40%	83 @ 40%	83 @ 40%	55 @ 40%	35 @ 40%
4.00”	EMT	126 @ 40%	122 @ 40%	122 @ 40%	80 @ 40%	52 @ 40%
	Rigid	110 @ 40%	106 @ 40%	106 @ 40%	70 @ 40%	45 @ 40%

* EMT = Electrical Metallic Tubing - Article 358
Rigid = Rigid Metal Coonduit Article 344

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