FIBER PATCH CORDS

Fiber Jumper Cables

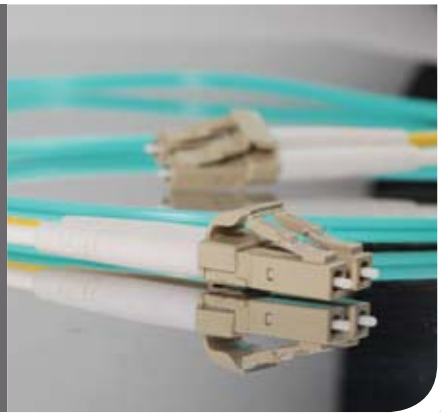
Legrand can produce virtually any type of fiber optic patch cable quickly and cost effectively. Standard multimode (50 and 62.5µm), laser-optimized multimode (OM3, OM4) and single-mode (OS2) assemblies are a core part of our business.

Visually inspected at 400x magnification, our fiber jumpers are performance tested for insertion and return loss parameters. Produced by leading manufacturers of fiber cables and connectors, they can ship in as little as two business days and are available in a variety of custom configurations — including your choice of connector polish, diameter, jacket and boot color.

Features:

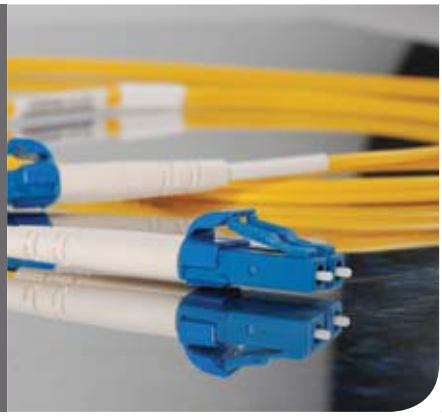
- 100% optically tested
- Factory terminated for superior performance
- Meets or exceeds industry standards for insertion loss and back reflection
- Stock available for same day shipping
- Custom assemblies available to ship within days
- Corning® assemblies available upon request
- TAA compliant assemblies available upon request
- Most connector brands supported upon request
- Test results available upon request

Q-Series Fiber Solutions



- Insertion loss and reflectance measurements that meet or exceed industry standards
- Domestically manufactured using the highest quality components
- All cables and connectors are built to industry standards
- Wide variety of connectors available including ST, SC, LC, FC, MTRJ, Uniboot LC, MTP/MPO and more
- Ultra PC and angled PC connector polishing options
- Advanced automated assembly and polishing techniques
- Factory termination results in superior performance compared to field terminated cables
- Single-mode, 50µm, 10Gb laser-optimized OM3 & OM4 or 62.5µm multimode fiber
- Bend tolerant fiber is available for both multimode and single-mode

Value Series Fiber Solutions



- All cables and connectors are built to industry standards
- Wide variety of connectors available including ST, SC, LC, FC, MTRJ, Uniboot LCs and more
- Insertion loss and reflectance measured on every connector
- We offer ultra PC and angled PC connector polishing options
- Factory termination results in superior performance compared to field terminated cables
- Single-mode, 50µm, 10Gb laser-optimized OM3 & OM4 or 62.5µm multimode fiber
- Simplex and duplex cable
- Most items are available for same day shipping

SC	LC	ST	MTRJ
 *MM Laser-Optimized Cables*	 *MM Laser-Optimized Cables*	 *MM Laser-Optimized Cables*	 *MM Laser-Optimized Cables*
 *Single-Mode (SM) Cables*	 *Single-Mode (SM) Cables*	 *Single-Mode (SM) Cables*	 *Single-Mode (SM) Cables*
 *Multimode (MM) Cables*	 *Multimode (MM) Cables*	 *Multimode (MM) Cables*	 *Multimode (MM) Cables*

Value Series Fiber Jumpers

IMPORT SMART #

Length	10Gb				50µm Multimode							
	SC SC	LC LC	LC SC	LC ST	SC SC	LC LC	LC SC	LC MTRJ	LC ST	MTRJ SC	ST SC	ST ST
1m	852-442-003	852-LL2-003	852-L42-003	852-L22-003	850-332-003	850-LL2-003	850-L32-003	851-0L2-003	850-L12-003	851-032-003	850-132-003	850-112-003
2m	852-442-006	852-LL2-006	852-L42-006	852-L22-006	850-332-006	850-LL2-006	850-L32-006	851-0L2-006	850-L12-006	851-032-006	850-132-006	850-112-006
3m	852-442-009	852-LL2-009	852-L42-009	852-L22-009	850-332-009	850-LL2-009	850-L32-009	851-0L2-009	850-L12-009	851-032-009	850-132-009	850-112-009
4m	852-442-013	852-LL2-013	852-L42-013	852-L22-013	850-332-013	850-LL2-013	850-L32-013	851-0L2-013	850-L12-013	851-032-013	850-132-013	850-112-013
5m	852-442-017	852-LL2-017	852-L42-017	852-L22-017	850-332-017	850-LL2-017	850-L32-017	851-0L2-017	850-L12-017	851-032-017	850-132-017	850-112-017
6m	852-442-020	852-LL2-020	852-L42-020	852-L22-020	850-332-020	850-LL2-020	850-L32-020	851-0L2-020	850-L12-020	851-032-020	850-132-020	850-112-020
7m	852-442-023	852-LL2-023	852-L42-023	852-L22-023	850-332-023	850-LL2-023	850-L32-023	851-0L2-023	850-L12-023	851-032-023	850-132-023	850-112-023
8m	852-442-026	852-LL2-026	852-L42-026	852-L22-026	850-332-026	850-LL2-026	850-L32-026	851-0L2-026	850-L12-026	851-032-026	850-132-026	850-112-026
9m	852-442-030	852-LL2-030	852-L42-030	852-L22-030	850-332-030	850-LL2-030	850-L32-030	851-0L2-030	850-L12-030	851-032-030	850-132-030	850-112-030
10m	852-442-033	852-LL2-033	852-L42-033	852-L22-033	850-332-033	850-LL2-033	850-L32-033	851-0L2-033	850-L12-033	851-032-033	850-132-033	850-112-033
12m	852-442-040	852-LL2-040	852-L42-040	852-L22-040	850-332-040	850-LL2-040	850-L32-040	851-0L2-040	850-L12-040	851-032-040	850-132-040	850-112-040
15m	852-442-050	852-LL2-050	852-L42-050	852-L22-050	850-332-050	850-LL2-050	850-L32-050	851-0L2-050	850-L12-050	851-032-050	850-132-050	850-112-050
18m	852-442-059	852-LL2-059	852-L42-059	852-L22-059	850-332-059	850-LL2-059	850-L32-059	851-0L2-059	850-L12-059	851-032-059	850-132-059	850-112-059
20m	852-442-066	852-LL2-066	852-L42-066	852-L22-066	850-332-066	850-LL2-066	850-L32-066	851-0L2-066	850-L12-066	851-032-066	850-132-066	850-112-066
25m	852-442-083	852-LL2-083	852-L42-083	852-L22-083	850-332-083	850-LL2-083	850-L32-083	851-0L2-083	850-L12-083	851-032-083	850-132-083	850-112-083
30m	852-442-099	852-LL2-099	852-L42-099	852-L22-099	850-332-099	850-LL2-099	850-L32-099	851-0L2-099	850-L12-099	851-032-099	850-132-099	850-112-099

FIBER PATCH CORDS

Value Series™ Fiber Jumpers

IMPORT SMART #

Length	62.5µm Multimode									
	SC SC	LC LC	LC SC	LC MTRJ	LC ST	MTRJ SC	ST SC	ST ST	MTRJ MTRJ	MTRJ ST
1m	810-332-003	810-LL2-003	810-L32-003	811-0L2-003	810-L12-003	811-032-003	810-132-003	810-112-003	811-002-003	811-012-003
2m	810-332-006	810-LL2-006	810-L32-006	811-0L2-006	810-L12-006	811-032-006	810-132-006	810-112-006	811-002-006	811-012-006
3m	810-332-009	810-LL2-009	810-L32-009	811-0L2-009	810-L12-009	811-032-009	810-132-009	810-112-009	811-002-009	811-012-009
4m	810-332-013	810-LL2-013	810-L32-013	811-0L2-013	810-L12-013	811-032-013	810-132-013	810-112-013	811-002-013	811-012-013
5m	810-332-017	810-LL2-017	810-L32-017	811-0L2-017	810-L12-017	811-032-017	810-132-017	810-112-017	811-002-017	811-012-017
6m	810-332-020	810-LL2-020	810-L32-020	811-0L2-020	810-L12-020	811-032-020	810-132-020	810-112-020	811-002-020	811-012-020
7m	810-332-023	810-LL2-023	810-L32-023	811-0L2-023	810-L12-023	811-032-023	810-132-023	810-112-023	811-002-023	811-012-023
8m	810-332-026	810-LL2-026	810-L32-026	811-0L2-026	810-L12-026	811-032-026	810-132-026	810-112-026	811-002-026	811-012-026
9m	810-332-030	810-LL2-030	810-L32-030	811-0L2-030	810-L12-030	811-032-030	810-132-030	810-112-030	811-002-030	811-012-030
10m	810-332-033	810-LL2-033	810-L32-033	811-0L2-033	810-L12-033	811-032-033	810-132-033	810-112-033	811-002-033	811-012-033
12m	810-332-040	810-LL2-040	810-L32-040	811-0L2-040	810-L12-040	811-032-040	810-132-040	810-112-040	811-002-040	811-012-040
15m	810-332-050	810-LL2-050	810-L32-050	811-0L2-050	810-L12-050	811-032-050	810-132-050	810-112-050	811-002-050	811-012-050
18m	810-332-059	810-LL2-059	810-L32-059	811-0L2-059	810-L12-059	811-032-059	810-132-059	810-112-059	811-002-059	811-012-059
20m	810-332-066	810-LL2-066	810-L32-066	811-0L2-066	810-L12-066	811-032-066	810-132-066	810-112-066	811-002-066	811-012-066
25m	810-332-083	810-LL2-083	810-L32-083	811-0L2-083	810-L12-083	811-032-083	810-132-083	810-112-083	811-002-083	811-012-083
30m	810-332-099	810-LL2-099	810-L32-099	811-0L2-099	810-L12-099	811-032-099	810-132-099	810-112-099	811-002-099	811-012-099

IMPORT SMART #

Length	9µm Duplex									9µm Simplex		
	SC SC	LC LC	LC SC	LC ST	ST SC	ST ST	FC FC	SC FC	ST FC	SC SC	FC FC	ST ST
1m	810-447-003	810-LL7-003	810-L47-003	810-L27-003	810-247-003	810-227-003	810-667-003	810-467-003	810-267-003	810-445-003	810-665-003	810-225-003
2m	810-447-006	810-LL7-006	810-L47-006	810-L27-006	810-247-006	810-227-006	810-667-006	810-467-006	810-267-006	810-445-006	810-665-006	810-225-006
3m	810-447-009	810-LL7-009	810-L47-009	810-L27-009	810-247-009	810-227-009	810-667-009	810-467-009	810-267-009	810-445-009	810-665-009	810-225-009
4m	810-447-013	810-LL7-013	810-L47-013	810-L27-013	810-247-013	810-227-013	810-667-013	810-467-013	810-267-013	810-445-013	810-665-013	810-225-013
5m	810-447-017	810-LL7-017	810-L47-017	810-L27-017	810-247-017	810-227-017	810-667-017	810-467-017	810-267-017	810-445-017	810-665-017	810-225-017
6m	810-447-020	810-LL7-020	810-L47-020	810-L27-020	810-247-020	810-227-020	810-667-020	810-467-020	810-267-020	810-445-020	810-665-020	810-225-020
7m	810-447-023	810-LL7-023	810-L47-023	810-L27-023	810-247-023	810-227-023	810-667-023	810-467-023	810-267-023	810-445-023	810-665-023	810-225-023
8m	810-447-026	810-LL7-026	810-L47-026	810-L27-026	810-247-026	810-227-026	810-667-026	810-467-026	810-267-026	810-445-026	810-665-026	810-225-026
9m	810-447-030	810-LL7-030	810-L47-030	810-L27-030	810-247-030	810-227-030	810-667-030	810-467-030	810-267-030	810-445-030	810-665-030	810-225-030
10m	810-447-033	810-LL7-033	810-L47-033	810-L27-033	810-247-033	810-227-033	810-667-033	810-467-033	810-267-033	810-445-033	810-665-033	810-225-033
12m	810-447-040	810-LL7-040	810-L47-040	810-L27-040	810-247-040	810-227-040	810-667-040	810-467-040	810-267-040	810-445-040	810-665-040	810-225-040
15m	810-447-050	810-LL7-050	810-L47-050	810-L27-050	810-247-050	810-227-050	810-667-050	810-467-050	810-267-050	810-445-050	810-665-050	810-225-050
18m	810-447-059	810-LL7-059	810-L47-059	810-L27-059	810-247-059	810-227-059	810-667-059	810-467-059	810-267-059	810-445-059	810-665-059	810-225-059
20m	810-447-066	810-LL7-066	810-L47-066	810-L27-066	810-247-066	810-227-066	810-667-066	810-467-066	810-267-066	810-445-066	810-665-066	810-225-066
25m	810-447-083	810-LL7-083	810-L47-083	810-L27-083	810-247-083	810-227-083	810-667-083	810-467-083	810-267-083	810-445-083	810-665-083	810-225-083
30m	810-447-099	810-LL7-099	810-L47-099	810-L27-099	810-247-099	810-227-099	810-667-099	810-467-099	810-267-099	810-445-099	810-665-099	810-225-099

Note: TAA compliant available upon request.

Q-Series™ Fiber Jumpers

Q-Series 62.5µm Multimode Fiber Jumpers

	ST	SC	MTRJ	LC
ST	820-112-LLL	820-132-LLL	821-012-LLL	820-L12-LLL
SC	820-132-LLL	820-332-LLL	821-032-LLL	820-L32-LLL
MTRJ	821-012-LLL	821-032-LLL	821-002-LLL	821-0L2-LLL
LC	820-L12-LLL	820-L32-LLL	821-0L2-LLL	820-LL2-LLL

Q-Series 50µm Multimode Fiber Jumpers

	ST	SC	MTRJ	LC
ST	822-112-LLL	822-132-LLL	823-012-LLL	822-L12-LLL
SC	822-132-LLL	822-332-LLL	823-032-LLL	822-L32-LLL
MTRJ	823-012-LLL	823-032-LLL	823-002-LLL	823-0L2-LLL
LC	822-L12-LLL	822-L32-LLL	823-0L2-LLL	822-LL2-LLL

Q-Series Plenum Rated 62.5µm Multimode Fiber Jumpers

	ST	SC	MTRJ	LC
ST	820-114-LLL	820-134-LLL	821-014-LLL	820-L14-LLL
SC	820-134-LLL	820-334-LLL	821-034-LLL	820-L34-LLL
MTRJ	821-014-LLL	821-034-LLL	821-004-LLL	821-0L4-LLL
LC	820-L14-LLL	820-L34-LLL	821-0L4-LLL	820-LL4-LLL

Q-Series Plenum Rated 50µm Multimode Fiber Jumpers

	ST	SC	MTRJ	LC
ST	822-114-LLL	822-134-LLL	823-014-LLL	822-L14-LLL
SC	822-134-LLL	822-334-LLL	823-034-LLL	822-L34-LLL
MTRJ	823-014-LLL	823-034-LLL	823-004-LLL	823-0L4-LLL
LC	822-L14-LLL	822-L34-LLL	823-0L4-LLL	822-LL4-LLL

Q-Series 50µm Laser-Optimized Multimode Fiber Patch Cords

	ST	SC	MTRJ	LC
ST	842-222-LLL	842-242-LLL	843-022-LLL	842-L22-LLL
SC	842-242-LLL	842-442-LLL	843-042-LLL	842-L42-LLL
MTRJ	843-022-LLL	843-042-LLL	843-002-LLL	843-0L2-LLL
LC	842-L22-LLL	842-L42-LLL	843-0L2-LLL	842-LL2-LLL

Q-Series Plenum Rated 50µm Laser-Optimized Multimode Fiber Patch Cords

	ST	SC	MTRJ	LC	LC Uniboot
ST	842-224-LLL	842-244-LLL	843-024-LLL	842-L24-LLL	QFJ-0321-23CB-LLL
SC	842-244-LLL	842-444-LLL	843-044-LLL	842-L44-LLL	QFJ-0221-23CB-LLL
MTRJ	843-024-LLL	843-044-LLL	843-004-LLL	843-0L4-LLL	–
LC	842-L24-LLL	842-L44-LLL	843-0L4-LLL	842-LL4-LLL	QFJ-0121-23CB-LLL
LC Uniboot	QFJ-0321-23CB-LLL	QFJ-0221-23CB-LLL	–	QFJ-0121-23CB-LLL	QFJ-2121-23CB-LLL

Q-Series 50µm OM4 Laser-Optimized Multimode Fiber Patch Cords

	ST	SC	MTRJ	LC
ST	842-222-LLL-55L	842-242-LLL-55L	843-022-LLL-55L	842-L22-LLL-55L
SC	842-242-LLL-55L	842-442-LLL-55L	843-042-LLL-55L	842-L42-LLL-55L
MTRJ	843-022-LLL-55L	843-042-LLL-55L	843-002-LLL-55L	843-0L2-LLL-55L
LC	842-L22-LLL-55L	842-L42-LLL-55L	843-0L2-LLL-55L	842-LL2-LLL-55L

Q-Series Plenum Rated 50µm OM4 Laser-Optimized Multimode Fiber Patch Cords

	ST	SC	MTRJ	LC	LC Uniboot
ST	842-224-LLL-55L	842-244-LLL-55L	843-024-LLL-55L	842-L24-LLL-55L	QFJ-0321-28CB-LLL
SC	842-244-LLL-55L	842-444-LLL-55L	843-044-LLL-55L	842-L44-LLL-55L	QFJ-0221-28CB-LLL
MTRJ	843-024-LLL-55L	843-044-LLL-55L	843-004-LLL-55L	843-0L4-LLL-55L	—
LC	842-L24-LLL-55L	842-L44-LLL-55L	843-0L4-LLL-55L	842-LL4-LLL-55L	QFJ-0121-28CB-LLL
LC Uniboot	QFJ-0321-28CB-LLL	QFJ-0221-28CB-LLL	—	QFJ-0121-28CB-LLL	QFJ-2121-28CB-LLL

Note: LLL= Length in Feet

FIBER PATCH CORDS

Q-Series™ 9µm Single-Mode Fiber Patch Cords

		FC	FC/APC	LC	MTRJ	SC	SC/APC	ST
FC	Simplex	820-665-LLL	820-695-LLL	820-L65-LLL	–	820-465-LLL	820-685-LLL	820-265-LLL
FC	Duplex	820-667-LLL	820-697-LLL	820-L67-LLL	821-067-LLL	820-467-LLL	820-687-LLL	820-267-LLL
FC/APC	Simplex	820-695-LLL	820-995-LLL	820-L95-LLL	–	820-495-LLL	820-895-LLL	820-295-LLL
FC/APC	Duplex	820-697-LLL	820-997-LLL	820-L97-LLL	821-097-LLL	820-497-LLL	820-897-LLL	820-297-LLL
LC	Simplex	820-L65-LLL	820-L95-LLL	820-LL5-LLL	–	820-L45-LLL	820-L85-LLL	820-L25-LLL
LC	Duplex	820-L67-LLL	820-L97-LLL	820-LL7-LLL	821-0L7-LLL	820-L47-LLL	820-L87-LLL	820-L27-LLL
MTRJ	Duplex	821-067-LLL	821-097-LLL	821-0L7-LLL	821-007-LLL	821-047-LLL	821-087-LLL	821-027-LLL
SC	Simplex	820-465-LLL	820-495-LLL	820-L45-LLL	–	820-445-LLL	820-485-LLL	820-245-LLL
SC	Duplex	820-467-LLL	820-497-LLL	820-L47-LLL	821-047-LLL	820-447-LLL	820-487-LLL	820-247-LLL
SC/APC	Simplex	820-685-LLL	820-895-LLL	820-L85-LLL	–	820-485-LLL	820-885-LLL	820-285-LLL
SC/APC	Duplex	820-687-LLL	820-897-LLL	820-L87-LLL	821-087-LLL	820-487-LLL	820-887-LLL	820-287-LLL
ST	Simplex	820-265-LLL	820-295-LLL	820-L25-LLL	–	820-245-LLL	820-285-LLL	820-225-LLL
ST	Duplex	820-267-LLL	820-297-LLL	820-L27-LLL	821-027-LLL	820-247-LLL	820-287-LLL	820-227-LLL

Q-Series Plenum Rated 9µm Single-Mode Fiber Patch Cords

		FC	FC/APC	LC	MTRJ	SC	SC/APC	ST	LC Uniboot
FC	Simplex	820-666-LLL	820-696-LLL	820-L66-LLL	–	820-466-LLL	820-686-LLL	820-266-LLL	–
FC	Duplex	820-668-LLL	820-698-LLL	820-L68-LLL	821-068-LLL	820-468-LLL	820-688-LLL	820-268-LLL	QFJ-0421-269B-LLL
FC/APC	Simplex	820-696-LLL	820-996-LLL	820-L96-LLL	–	820-496-LLL	820-896-LLL	820-296-LLL	–
FC/APC	Duplex	820-698-LLL	820-998-LLL	820-L98-LLL	821-098-LLL	820-498-LLL	820-898-LLL	820-298-LLL	QFJ-0821-269B-LLL
LC	Simplex	820-L66-LLL	820-L96-LLL	820-LL6-LLL	–	820-L46-LLL	820-L86-LLL	820-L26-LLL	–
LC	Duplex	820-L68-LLL	820-L98-LLL	820-LL8-LLL	821-0L8-LLL	820-L48-LLL	820-L88-LLL	820-L28-LLL	QFJ-0121-269B-LLL
MTRJ	Duplex	821-068-LLL	821-098-LLL	821-0L8-LLL	821-008-LLL	821-048-LLL	821-088-LLL	821-028-LLL	–
SC	Simplex	820-466-LLL	820-496-LLL	820-L46-LLL	–	820-446-LLL	820-486-LLL	820-246-LLL	–
SC	Duplex	820-468-LLL	820-498-LLL	820-L48-LLL	821-048-LLL	820-448-LLL	820-488-LLL	820-248-LLL	QFJ-0221-269B-LLL
SC/APC	Simplex	820-686-LLL	820-896-LLL	820-L86-LLL	–	820-486-LLL	820-886-LLL	820-286-LLL	–
SC/APC	Duplex	820-687-LLL	820-898-LLL	820-L88-LLL	821-088-LLL	820-488-LLL	820-888-LLL	820-288-LLL	QFJ-0621-269B-LLL
ST	Simplex	820-266-LLL	820-296-LLL	820-L26-LLL	–	820-246-LLL	820-286-LLL	820-226-LLL	–
ST	Duplex	820-268-LLL	820-298-LLL	820-L28-LLL	821-028-LLL	820-248-LLL	820-288-LLL	820-228-LLL	QFJ-0321-269B-LLL
LC Uniboot	–	QFJ-0421-269B-LLL	QFJ-0821-269B-LLL	QFJ-0121-269B-LLL	–	QFJ-0221-269B-LLL	QFJ-0621-269B-LLL	QFJ-0321-269B-LLL	QFJ-2121-269B-LLL

Note: LLL= Length in Feet

50µm Multimode Connector Specifications

Brand	Connector	Typical Insertion Loss	Max. Insertion Loss	Standard Polish	Cable Diameter	Housing	Ferrule
Q-Series™	ST	0.25dB	0.50dB	PC	2.8	Metal	Ceramic
Q-Series	SC	0.25dB	0.50dB	PC	2.8	Composite	Ceramic
Q-Series	MTRJ	0.30dB	0.50dB	PC	2.8	Composite	Composite
Q-Series	LC	0.25dB	0.50dB	PC	2.8	Composite	Ceramic
Q-Series	FC	0.25dB	0.50dB	PC	2.8	Metal	Ceramic
Q-Series	ESCON	0.50dB	0.50dB	PC	2.8	Composite	Ceramic
Value Series™	ST	0.30dB	0.50dB	PC	2.8	Metal	Ceramic
Value Series	LC	0.30dB	0.50dB	PC	2.8	Composite	Ceramic
Value Series	MTRJ	0.30dB	0.50dB	PC	1.8 Duplex	Composite	Composite
Value Series	LC	0.30dB	0.50dB	PC	1.8	Composite	Ceramic
Value Series	FC	0.30dB	0.50dB	PC	2.8	Metal	Ceramic

62.5µm Multimode Connector Specifications

Brand	Connector	Typical Insertion Loss	Max. Insertion Loss	Standard Polish	Cable Diameter	Housing	Ferrule
Q-Series	ST	0.25dB	0.50dB	PC	2.8	Metal	Ceramic
Q-Series	SC	0.25dB	0.50dB	PC	2.8	Composite	Ceramic
Q-Series	MTRJ	0.30dB	0.50dB	PC	2.8	Composite	Composite
Q-Series	LC	0.25dB	0.50dB	PC	2.8	Composite	Ceramic
Q-Series	FC	0.25dB	0.50dB	PC	2.8	Metal	Ceramic
Q-Series	ESCON	0.50dB	0.50dB	PC	2.8	Composite	Ceramic
Value Series	ST	0.30dB	0.50dB	PC	2.8	Metal	Ceramic
Value Series	LC	0.30dB	0.50dB	PC	2.8	Composite	Ceramic
Value Series	MTRJ	0.30dB	0.50dB	PC	1.8 Duplex	Composite	Composite
Value Series	LC	0.30dB	0.50dB	PC	1.8	Composite	Ceramic
Value Series	FC	0.30dB	0.50dB	PC	2.8	Metal	Ceramic

*ESCON connectors are domestically manufactured, but are not Corning brand. Fiber specifications list the core and cladding diameters as a ratio. The top example shows the ratio of core to cladding as 62.5/125µm microns. Below, the ratio between the fiber core to the fine cladding in single-mode fiber is 9/125 microns.

9µm Single-Mode Connector Specifications

Brand	Connector	Typical Insertion Loss	Max. Insertion Loss	Reflectance	Standard Polish	Cable Diameter	Housing	Ferrule
Q-Series	FC	0.25dB	0.50dB	-55dB	UPC	2.8	Metal	Ceramic
Q-Series	FC/APC	0.30dB	0.50dB	-65dB	APC	2.8	Metal	Ceramic
Q-Series	LC	0.25dB	0.50dB	-55dB	UPC	2.8	Composite	Ceramic
Q-Series	MTRJ	0.30dB	0.50dB	-40dB	PC	2.8	Composite	Composite
Q-Series	SC	0.25dB	0.50dB	-55dB	UPC	2.8	Composite	Ceramic
Q-Series	SC/APC	0.30dB	0.50dB	-65dB	APC	2.8	Composite	Ceramic
Q-Series	ST	0.25dB	0.50dB	-55dB	UPC	2.8	Metal	Ceramic
Q-Series	LC/APC	0.30dB	0.50dB	-65dB	APC	2.8	Composite	Ceramic
Value Series	FC	0.30dB	0.50dB	-55dB	UPC	2.8	Metal	Ceramic
Value Series	LC	0.30dB	0.50dB	-55dB	UPC	2.0	Composite	Ceramic
Value Series	MTRJ	0.30dB	0.50dB	-40dB	PC	1.8 Duplex	Composite	Composite
Value Series	SC	0.30dB	0.50dB	-55dB	UPC	2.8	Composite	Ceramic
Value Series	ST	0.30dB	0.50dB	-55dB	UPC	2.8	Metal	Ceramic
Value Series	LC/APC	0.35dB	0.50dB	-65dB	APC	1.8	Composite	Ceramic
Value Series	SC/APC	0.35dB	0.50dB	-65dB	APC	2.8	Composite	Ceramic
Value Series	FC/APC	0.35dB	0.50dB	-65dB	APC	2.8	Metal	Ceramic

9µm Single-Mode Plenum Rated Connector Specifications

Brand	Connector	Typical Insertion Loss	Max. Insertion Loss	Reflectance	Standard Polish	Cable Diameter	Housing	Ferrule
Q-Series	FC	0.25dB	0.50dB	-55dB	UPC	2.8	Metal	Ceramic
Q-Series	FC/APC	0.30dB	0.50dB	-65dB	APC	2.8	Metal	Ceramic
Q-Series	LC	0.25dB	0.50dB	-55dB	UPC	2.8	Composite	Ceramic
Q-Series	MTRJ	0.30dB	0.50dB	-40dB	UPC	2.8	Composite	Composite
Q-Series	SC	0.25dB	0.50dB	-55dB	UPC	2.8	Composite	Ceramic
Q-Series	SC/APC	0.30dB	0.50dB	-65dB	APC	2.8	Composite	Ceramic
Q-Series	ST	0.25dB	0.50dB	-55dB	UPC	2.8	Metal	Ceramic
Q-Series	LC/APC	0.30dB	0.50dB	-65dB	APC	2.8	Composite	Ceramic

CUSTOM FIBER ASSEMBLIES

Custom Fiber Solutions

Regarded as the leader in providing custom fiber optic solutions, we specialize in providing multi-fiber assemblies, including MTPR, that meet our customers' specifications and time requirements. These cables save field termination time and money, while providing a superior factory termination. We carefully construct these cables with the installer in mind to ensure reliability and simplicity for any type of application. All connector types are available with up to 288-count fiber cable in custom lengths. Identification labels, pulling eyes, and installer friendly spools make these cables a great option for both indoor and outdoor applications.

Custom Fiber Benefits

Faster, Easier Installation

- With no fiber preparation, termination kits or specialized termination training required, custom fiber solutions save installers time and money
- Pulling eyes, identification labels, and spooled solutions reduce the amount of time required for installation

Improved Performance

- Cables are fully tested to all 568C requirements, and ready for installation
- Factory terminated connectors provide improved end-to-end performance
- Test results are provided for all preterms

Greater Savings

- Custom fiber solutions reduce waste caused by improper field termination
- Reduce the overhead required to outfit field installers with multiple types of fiber, connectors and tools
- Reduce the number of hours required for installation

Quick Turnaround Time

Custom Fiber Options

- 62.5/125µm and 50/125µm multimode fiber
- Laser-optimized 50/125µm multimode fiber (LOMMF) (OM3 & OM4)
- 9/125 single-mode fiber
- Multi-fiber solutions (pre-terms)
- MTP trunk and break-out cables
- Custom solutions for plenum, low smoke zero halogen, direct burial and riser applications
- ST, SC, LC, FC, MTRJ, Uniboot LC, MTP connectors
- Identification labels
- Pulling eyes
- Installer-friendly spools for faster and easier installation

2 Fiber Count



4 Fiber Count



12 Fiber Count



Distribution or Break-Out Cable



Optical Fiber Cable Solutions

Core Types

- 62.5/125 and 50/125 standard multimode (OM1, OM2)
- Laser-optimized 50/125 multimode (OM3, OM4)
- 9/125 single-mode (OS2)

Fiber Count and Construction

- 1-288 strands
- Multi-strand break-out cable
- Distribution cable
- Loose tube
- Indoor/outdoor
- Micro distribution cable

Flame Ratings

- Riser - Also referred to as OFNR; for use in riser applications
- Plenum - Also referred to as OFNP; for use in air spaces (plenums); when exposed to extreme heat or flames do not emit toxic chlorine gases; this designation is required by the NEC to be stamped on all cable jackets that meet this rating

Specialty Fiber Types

Fiber specifically designed to be installed outside, either underground or from pole to pole

Direct burial

- Armored fiber which is designed to be buried; resistant to environment and rodent penetration

Underground

- Non-armored fiber designed to be installed in a conduit outside

Fiber with Messenger

- Built-in metal cable to attach to buildings/poles for support

Lash-able

- Designed to be attached with metal bands (lashed) to existing cable

Self Supporting

- Extra rugged to support its own weight over a specific span; does not have a messenger wire attached

Interlocking Armor

- Interlocking armored fiber has a built-in armor surrounding the cable jacket enabling it to be installed without conduit

Configuration Options

Pre-Terminated Multi-Fiber Assembly Part Numbers

Part number example: 824-LL2-100S

Equals: LC / LC trunk on 24 fiber MIC plenum cable; 100 feet; single-mode fiber

*** # # - C C T - L L L F (XX)**

*** : Assembly Type**

8	Q-Series
AC	All Corning®

 # : Fiber Count

2-288

C : Connector Types

0	Blunt (Flying Lead)
1	ST (Standard 50µm & 62.5)
2	ST (10Gb 50µm & SM)
3	SC (Standard 50µm & 62.5)
4	SC (10Gb 50µm & SM)
5	FDDI Ceramic
6	FC Ceramic
7	SMA 906
8	SC/APC
9	FC/APC
M	MTP
MT	MTRJ
S	Stainless ST
L	LC
U	LC Uniboot
K	LC/APC

LLL : Length in FT.

F : Fiber Types

S	Single-Mode
50	50µm
50L	50µm 10Gb
R	Ribbon
55L	OM4 50µm 10Gb 550m

XX : Special Options

A	Armor	**IA**	Interlocking Armor
B	Berk-Tek®	**ID**	Innerduct
C	Color of Fiber Type	**CB**	Color of Boots
L	Label One End	**LL**	Label Both Ends
E	Elite MTP	**SK**	Spider Fan-Out Kit
F#	Furcation Size	**AM**	Aerial with Messenger
	F9 900µm	**P**	Pinned MTRJ / Pinned MTP
	F2 2.0mm	**PE**	Pulling Eye
	F3 3.0mm		

DS All Dielectric Self Supporting Aerial

Customer Specific First Two Letters of Customer Name

T : Multi-Fiber Cable Types

0	Corning Altos/LST (Outdoor Gel)
1	MIC Riser (D-Series 900µm Indoor) (Ribbon for MTP)(Harnesses Bare Ribbon)
2	MIC Plenum (D-Series 900µm Indoor) (Ribbon for MTP)
3	Corning Fan-Out Riser (2.9mm Subunits Indoor)
4	Corning Fan-Out Plenum (2.9mm Subunits Indoor)
5	Corning Freedom (Riser Indoor/Outdoor-Gel)
6	OCC Riser (D-Series, Indoor/Outdoor)
7	OCC Plenum (D-Series, Indoor/Outdoor)
8	OCC Break-Out Riser (B-Series 2.4mm Subunits Indoor/Outdoor)
9	OCC Break-Out Plenum (B-Series 2.4mm Subunits Indoor/Outdoor)
5R	Freedom 1
5P	Freedom 1 Plenum
6G	GX Series OCC
6M	OCC D-Series with Messenger
6RM	OCC RM Series Round Messenger Cable
8FX	Ultra Fox™ OCC
1C	Corning MIC Riser
2C	Corning MIC Plenum
MPC	Corning MIC250 Plenum
MPB	Berk-Tek Microcore Plenum
MPT	TLC Microcore Plenum

Create Your Own Custom Fiber Solution...

Call us today and let one of our customer service representatives assist you with building a solution to fit your exact needs.

GSA/TAA Compliance Solutions for Government Procurement

If you are supplying products for GSA Schedules and other government contracts, those products must comply with TAA[1]. TAA requires that products originate from the United States or another approved country. Failure to comply with TAA can lead to award cancellation, multimillion dollar fines and suspension or debarment from federal contracting. Scrutiny of TAA compliance has intensified due to increased governmental oversight, qui tam "whistle-blower" lawsuits and TAA-related bid protests, so the days when TAA could be disregarded without repercussions are long past. Because contractors face serious consequences, they have begun to require their suppliers to certify products for TAA compliance and even indemnify them against damages arising from noncompliance. Understanding TAA is imperative to contractors and their suppliers alike.

What is TAA?

TAA refers to the Trade Agreements Act (19 U.S.C. § 2501–2581), which is intended to foster fair and open international trade. TAA requires that products must be produced or undergo "substantial transformation" within the United States or a designated country,[2] including countries that have reciprocal trade agreements with the United States, Caribbean Basin countries and certain "least developed" countries.

When does TAA apply?

TAA compliance requirements are built into federal procurement contracts such as GSA Schedule contracts, IDIQ contracts and most Department of Defense contracts. Although TAA requirements only apply beyond a certain dollar threshold (currently $194,000 for goods and services), it does not mean you can ignore TAA if you typically receive orders below that threshold. The General Services Administration states:

> *"Since the estimated dollar value of each Schedule exceeds the established TAA threshold, TAA is applicable to all Schedules. In accordance with TAA, only U.S.-made or designated country end products shall be offered and sold under Schedule contracts".* [3]

That means all products offered under GSA Schedule contracts must be TAA compliant, regardless of cost.

GSA/TAA-Compliant Q-Series Products

For a complete listing of our Q-series GSA/TAA compliant products call 800.361.0471 or visit our website: www.quiktron.com

How do I determine whether a product is TAA compliant?

Determining TAA compliance isn't as simple as looking at a "made in" stamp. Complex issues of "substantial transformation" during the manufacturing process can affect whether a product is compliant, requiring determination according to the particular facts of each case. It may not be practical or even possible for contractors to go through every product they sell to determine compliance. It is more cost-effective and reliable to source products from manufacturers that possess the detailed product knowledge and firm supply chain control required to verify TAA compliance. Reputable, well-established manufacturers have more to lose from erroneous certifications and usually know more about where their products come from.

In addition, GSA will work with Schedule contractors to ensure TAA compliance. In the past, contractors who have worked with GSA to remove noncompliant products from the GSA Schedules have been able to do so without penalty.

Is TAA enforced?

TAA once had a reputation of not being strictly enforced, but that has changed in the past several years. The government has made TAA compliance enforcement a priority, and TAA audits have led to suspension or debarment for contractors found to be in violation. Some vendors have also begun to police their competitors for TAA compliance, using violations to lodge bid protests and invalidate competitors' awards.

GSA Schedule contracts provide a gateway to billions of dollars in government expenditures, but they also carry a significant responsibility of regulatory compliance. If TAA compliance was ever something that could be disregarded, recent fines and penalties show that is no longer the case.

Does TAA apply to me?

If you don't have a GSA Schedule contract but sell to contractors, you'll increasingly find that they won't buy products that are not certified to be TAA compliant. With TAA compliance issues coming to the forefront of contractors' consciousness, you'll need to understand TAA and be able to certify that your products are TAA compliant. You may even be asked to indemnify contractors against damages arising from noncompliance.

1 TAA applies to most, but not all, federal procurement contracts. Consult your corporate compliance officer and legal counsel to determine whether TAA applies to your contract or proposal. It is important to remember that there is no penalty for offering TAA-compliant products where they are not required, but there may be substantial penalties for offering noncompliant products. It is therefore safer to err on the side of compliance.

2 For the current list of designated countries, refer to http://acquisition.gov/far/current/html/Subpart%2025_1.html#wp1118780

3 Source: http://www.gsa.gov/schedules-ordering